Go To Table Of Contents

418

-001 thru -002

Power Otolaryngology Chair

MIDMARK®

Service and Parts Manual

To purchase a printed copy of this manual, click on the "Place Order" button below.

Place Order

Serial Number Prefixes:
AK

NO LONGER IN PRODUCTION
Some service parts may not be available for this product!

FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

Part No. 003-0435-00 Rev. L (4/26/12)

Go To Table Of Contents

TABLE OF CONTENTS

Section/Paragraph	Page
IMPORTANT INSTRUCTIONS	
General Safety Instructions	ii
Safety Alert Symbols	ii
Warranty Instructions	ii
SECTION I GENERAL INFORMATION	
Not Available	
SECTION II TESTING AND TROUBLESHOOTING	
Not Available	
SECTION III SCHEDULED MAINTENANCE	
Not Available	
SECTION IV MAINTENANCE/SERVICE INSTRUCTIONS	
Not Available	
SECTION V SCHEMATICS AND DIAGRAMS	
5.1 Electrical Schematics / Wiring Diagrams	5-1

Section/Paragraph	Page
SECTION VI PARTS LIST	
6.1 Introduction	6-1
6.2 Description of Columns	6-1
6.3 Torque Specifications And Important Assembly Notes	6-1
Pictorial Index	6-2
Labels and Decals	6-3
Upholstery Components	6-4
Chair Frame Assembly	6-5
Headrest Assembly	6-6
Back Assembly	6-7.*
Linkage Components	6-8.*
Seat Actuator Assembly	6-9.*
Seat Pivot Assembly	6-10
Seat Assembly	6-11
Column Assembly	6-12
Base Assembly	6-13.*
Base And Elevation Column Assembly	6-14
Base Actuator Assembly	6-15.*
Arm Assembly	6-16
Footswitch Assembly	6-17
Exam Light Assembly	6-18
Wiring Arrangement	6-19.*
COMMENTS	7-1
FAX ORDERING FORM	7-2

(*) Indicates that there has been a serial number break for the illustration and that there are additional point page(s) following the original page.

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

IMPORTANT INSTRUCTIONS

General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this 418 Power Otolaryngology Chair is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

(1) Read this entire manual before performing any services or repairs on this chair.

(2) Be sure you understand the instructions contained in this manual before attempting to service or repair this chair.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:

DANGER

A DANGER is used for an imminently hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.

WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.

CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Midmark “Limited Warranty” printed on the back cover of the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the 418 Power Otolaryngology Chair unsafe for operation.

- In the event of a malfunction, do not attempt to operate the chair until necessary repairs have been made.
- Do not attempt to disassemble chair, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark’s authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

SECTION V
SCHEMATICS AND DIAGRAMS

5.1 Electrical Schematics / Wiring Diagrams

Figures 5-1 thru 5-3 illustrate the logic/current flow and wiring connections between the electrical components in the chair.

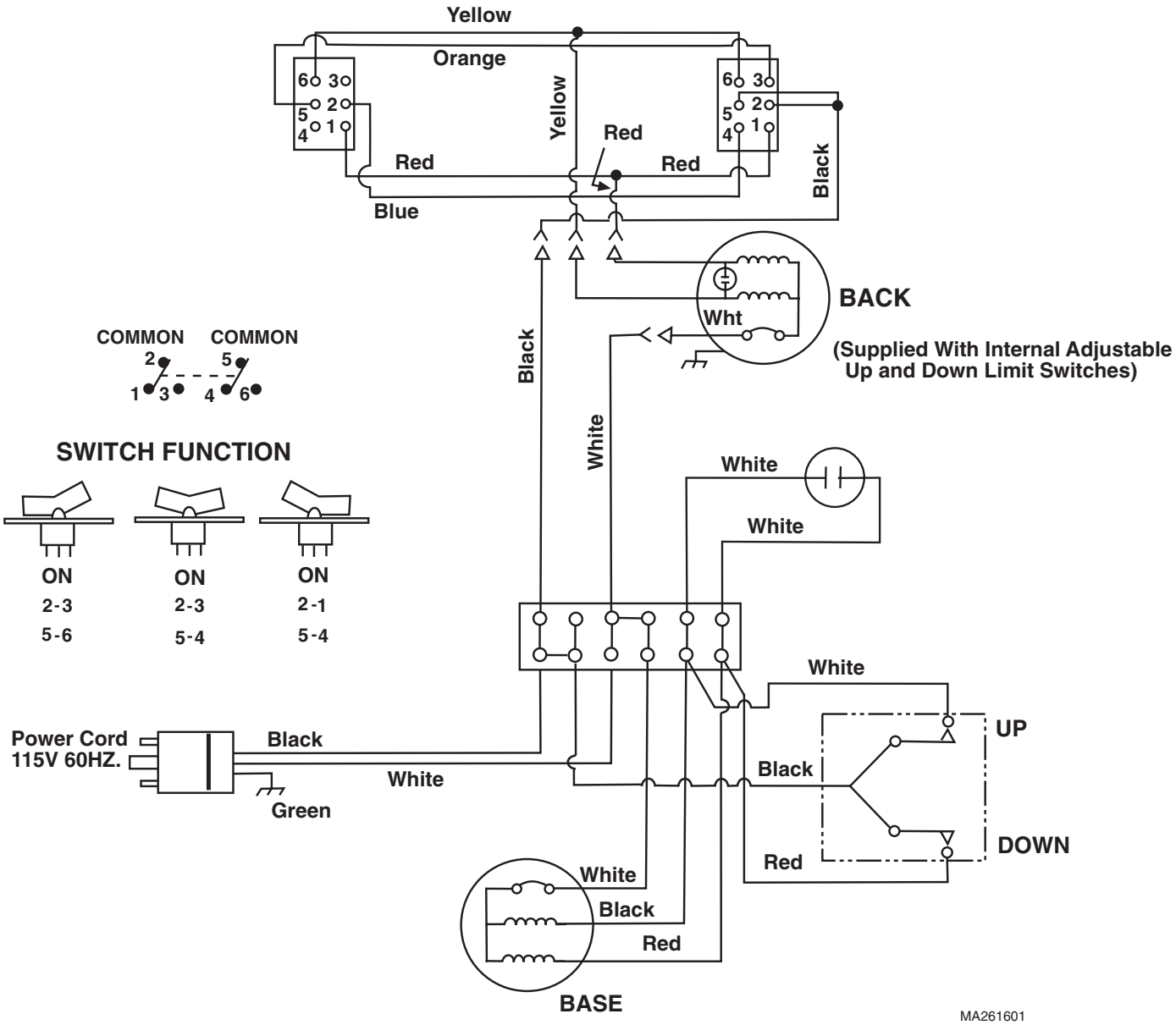


Figure 5-1. Electrical Schematic / Wiring Diagram (Applies To Units With Serial Numbers AK-1000 Thru AK-1273

SECTION V
SCHEMATICS AND DIAGRAMS

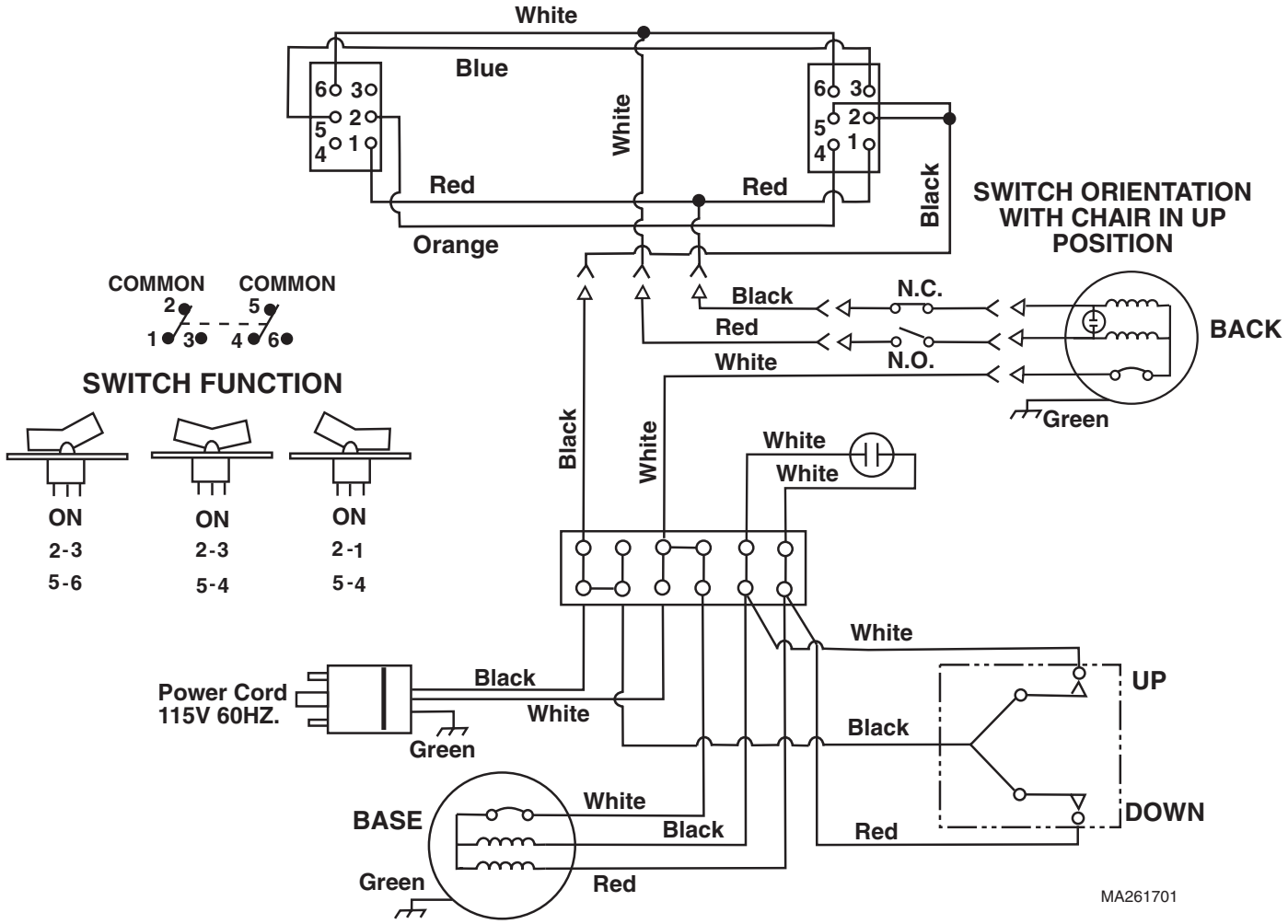


Figure 5-2. Electrical Schematic / Wiring Diagram (Applies To Units With Serial Numbers AK-1274 Thru AK-1877

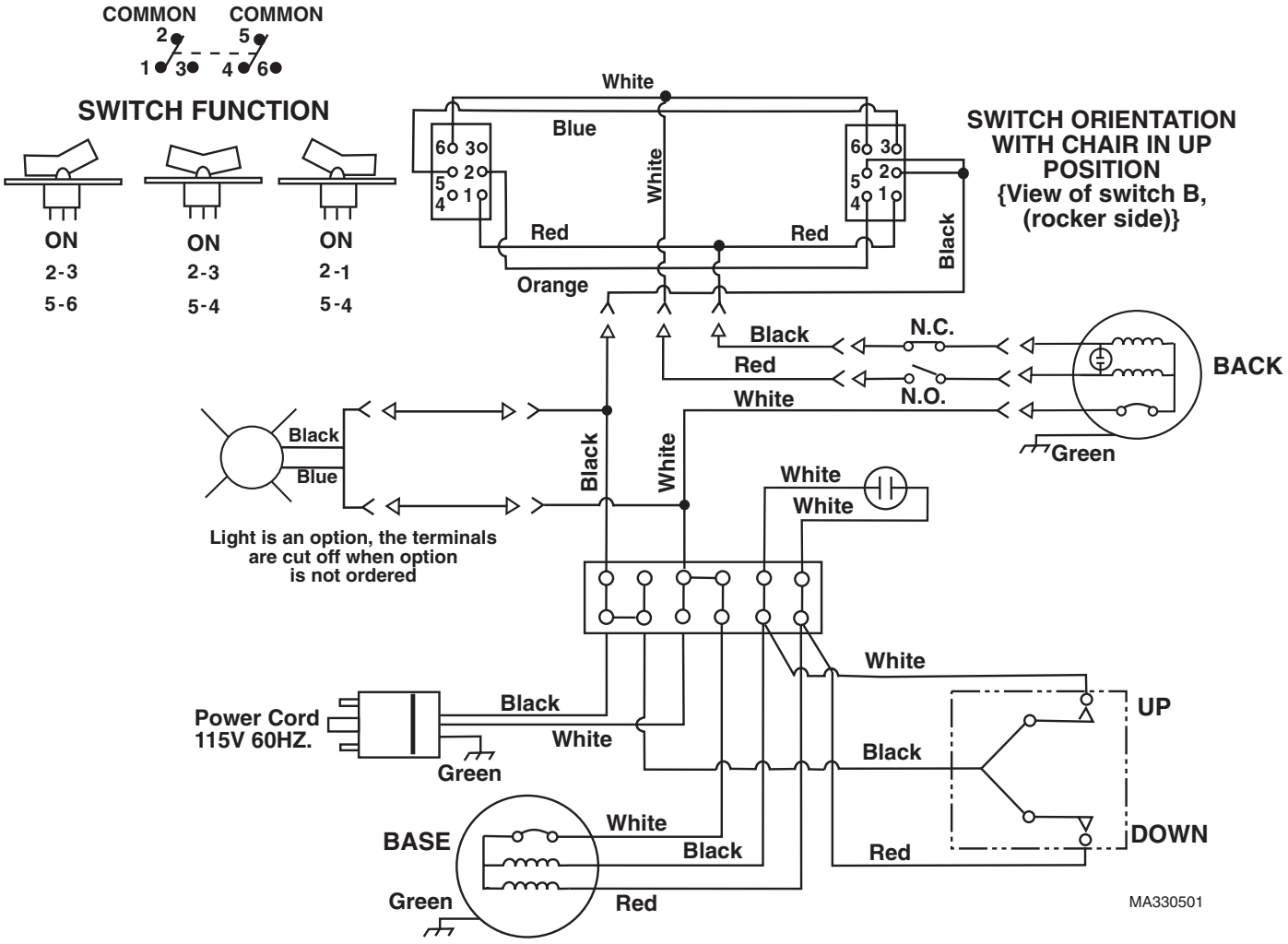


Figure 5-3. Electrical Schematic / Wiring Diagram (Applies To Units With Serial Numbers AK-1878 Thru Present

Return To Table Of Contents

© Midmark 1994 SF-1454 Rev. 9/97

Printed in U.S.A.

SECTION VI
PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

The parts list also illustrates disassembly and assembly relationships of parts.

6.2 Description of Columns

The *Item* column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The *Part No.* column lists the MIDMARK part number for that component.

The *Description* column provides a physical description of the component.

The *Qty.* column lists the number of units of a particular component that is required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the *Part No.* column and the *Description* column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

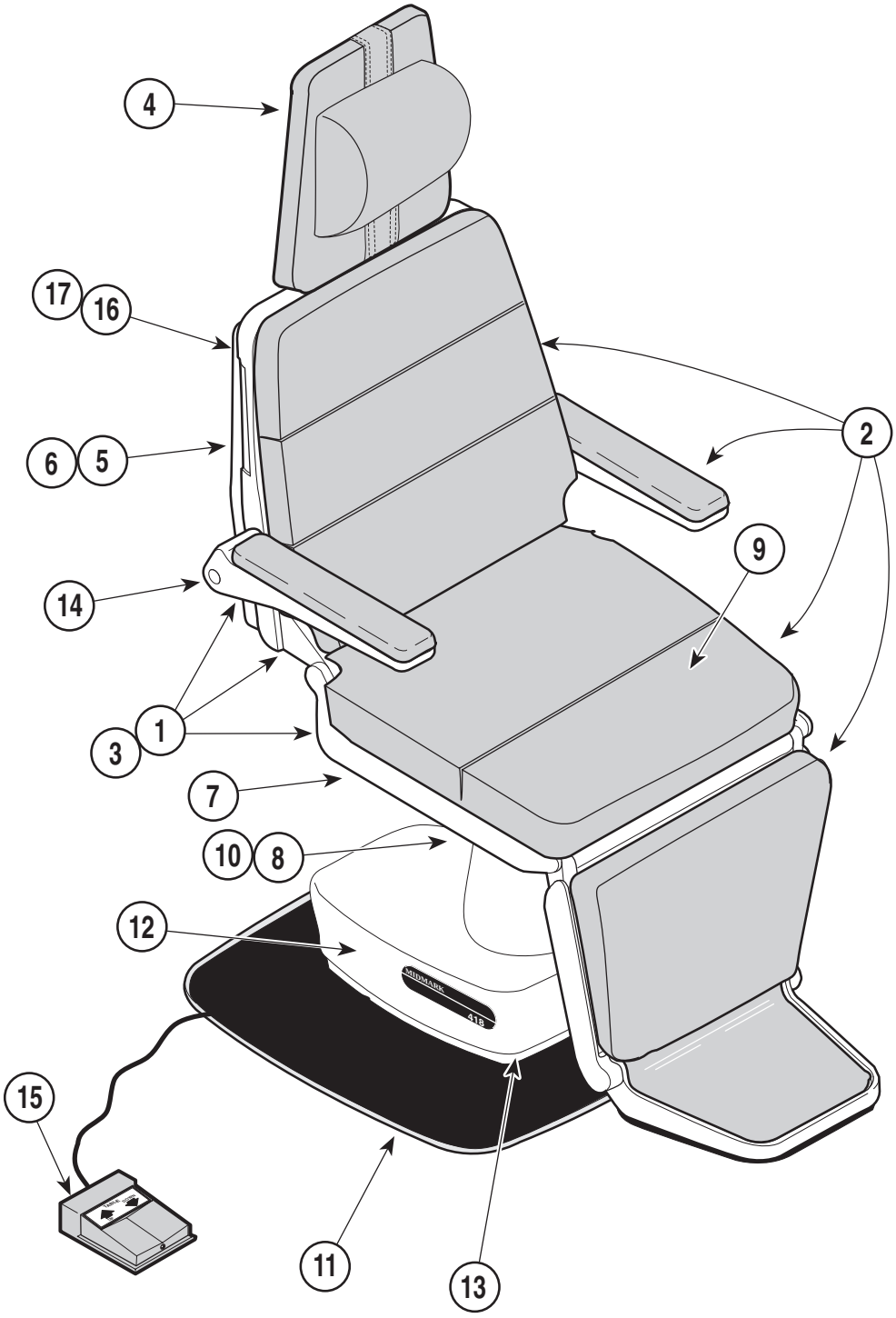
6.3 Torque Specifications and Important Assembly Notes

When specific assembly torque specifications, measurements, or procedures have been identified, by our engineering department, as required to assure proper function of the unit, those torque specifications measurements, and procedures will be noted on the parts illustrations. Adherence to these requirements is essential.

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Pictorial Index



MA325900

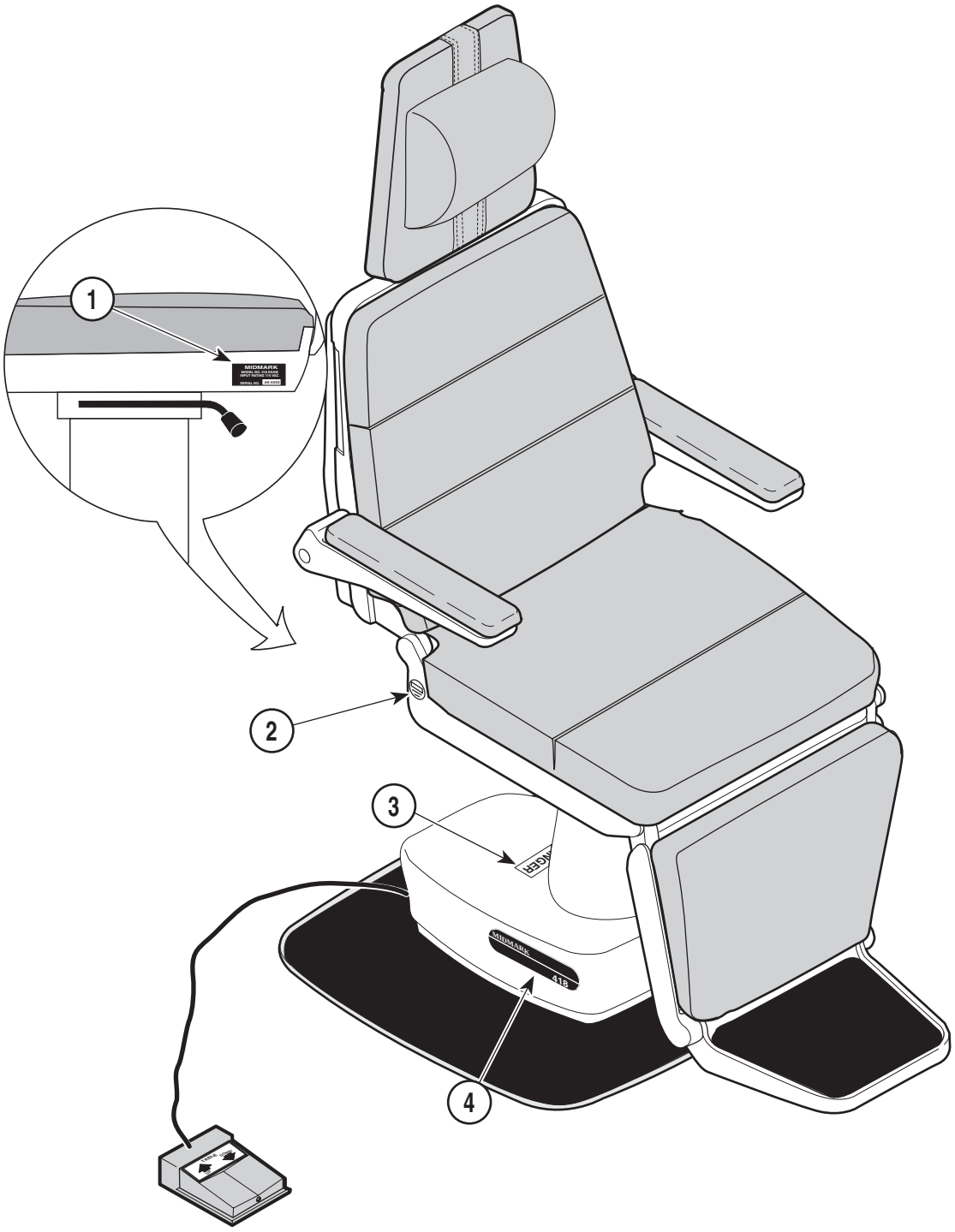
Item	Part No.	Description	Page
1		Labels and Decals	6-3
2		Upholstery Components	6-4
3		Chair Frame Assembly	6-5
4		Headrest Assembly	6-6
5		Back Assembly	6-7
6		Linkage Components	6-8
7		Seat Actuator	6-9
8		Seat Pivot Assembly	6-10
9		Seat Assembly	6-11
10		Column Assembly	6-12
11		Base Assembly	6-13
12		Base and Elevation Assembly	6-14
13		Base Actuator	6-15
14		Arm Assembly	6-16
15		Footswitch Components	6-17
16		Exam Light	6-18
17		Wiiring Arrangemant 6-19	

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Labels and Decals



MA346200

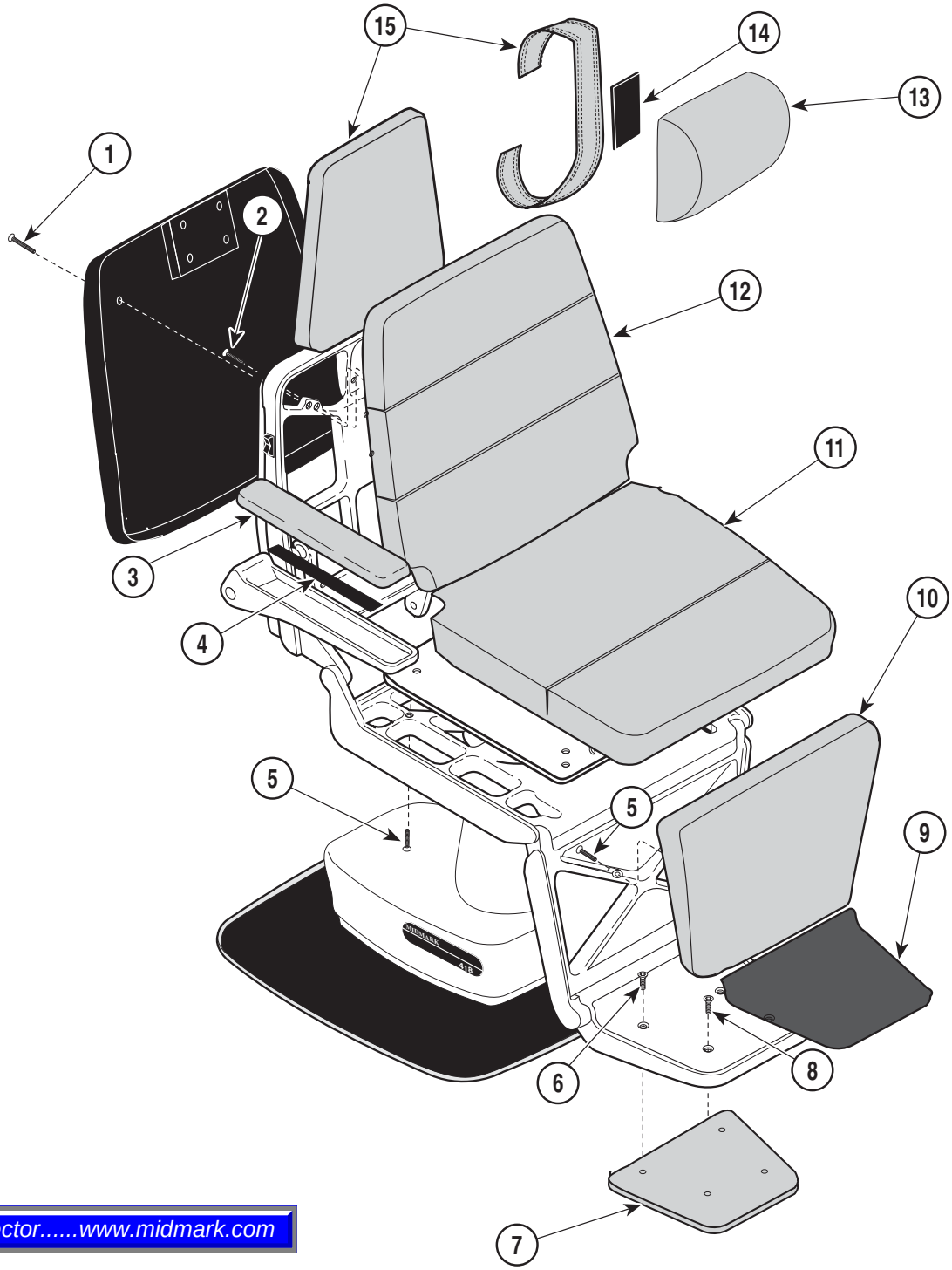
Item	Part No.	Description	Page
1	°	Serial Tag	1
2	061-0220-00	Electrical Label	1
3	061-0293-01	Danger Label	1
4	061-0146-00	Nameplate	2

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Upholstery Components



Color Selector.....www.midmark.com

MA329200

Item	Part No.	Description	Qty.
	418-001		
1	040-0010-57	Screw	2
2	040-0010-53	Screw	4
3	028-0102-00	Upholstered Arm	2
4	053-0105-00	Velcro	2
5	040-0010-15	Screw	8
6	040-0010-28	Screw	2
7	028-0243-00	Step Upholstery Assembly	1
8	040-0010-56	Screw	2

Item	Part No.	Description	Qty.
•	• 027-0116-XX	Upholstery Set (*Specify Color)	
9	* 053-0351-00	• Top Step Tread	1
10	• 028-0099-00	• Leg Upholstery	1
11	• 028-0098-00	• Seat Upholstery	1
12	• 028-0097-00	• Back Upholstery	1
13	• 028-0101-00	• Pillow Upholstery	1
14	• 053-0162-00	• Back Cover	1
15	• 028-0100-00	• Headrest (Includes Strap)	1

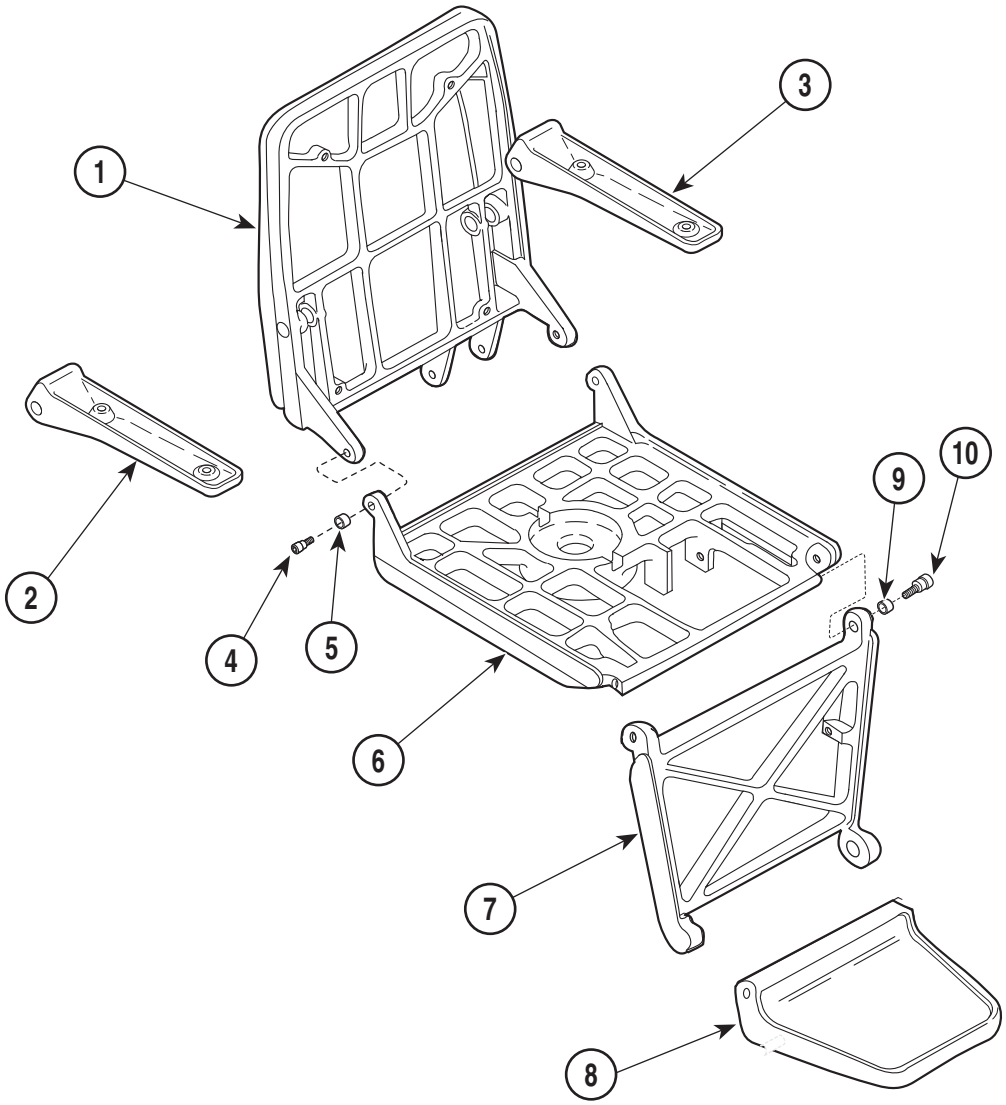
* Click on the Color Selector link above to see available colors.

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454 Rev. 4/08

Printed in U.S.A.

Chair Frame Assembly



MA329600

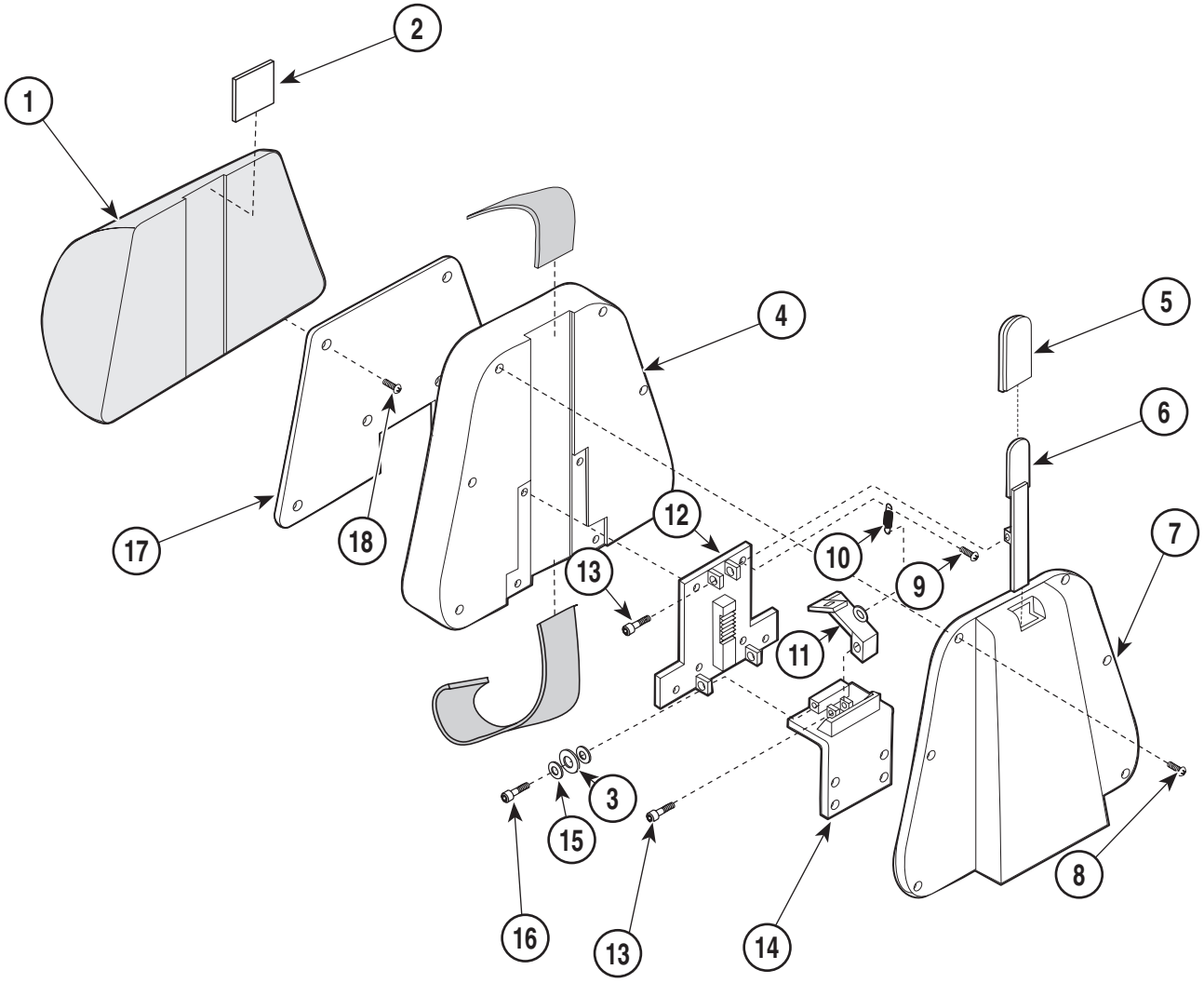
Item	Part No.	Description	Qty.
1	020-0023-00	Back Casting	1
2	020-0026-00	Arm Casting R.H.	1
3	~~020-0026-01~~	Arm Casting L.H.	1
4	042-0014-00	Shoulder Bolt	2
5		Bushing (Refer to "Seat Assembly" Elsewhere)	Ref.
6	020-0024-00	Seat Casting	1
7	020-0022-00	Leg Casting	1
8	020-0025-00	Step Casting	1
9	016-0076-00	Bushing	2
10	042-0014-15	Shoulder Bolt	2

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev. (4/26/12)

Printed in U.S.A.

Headrest Assembly



MA328900

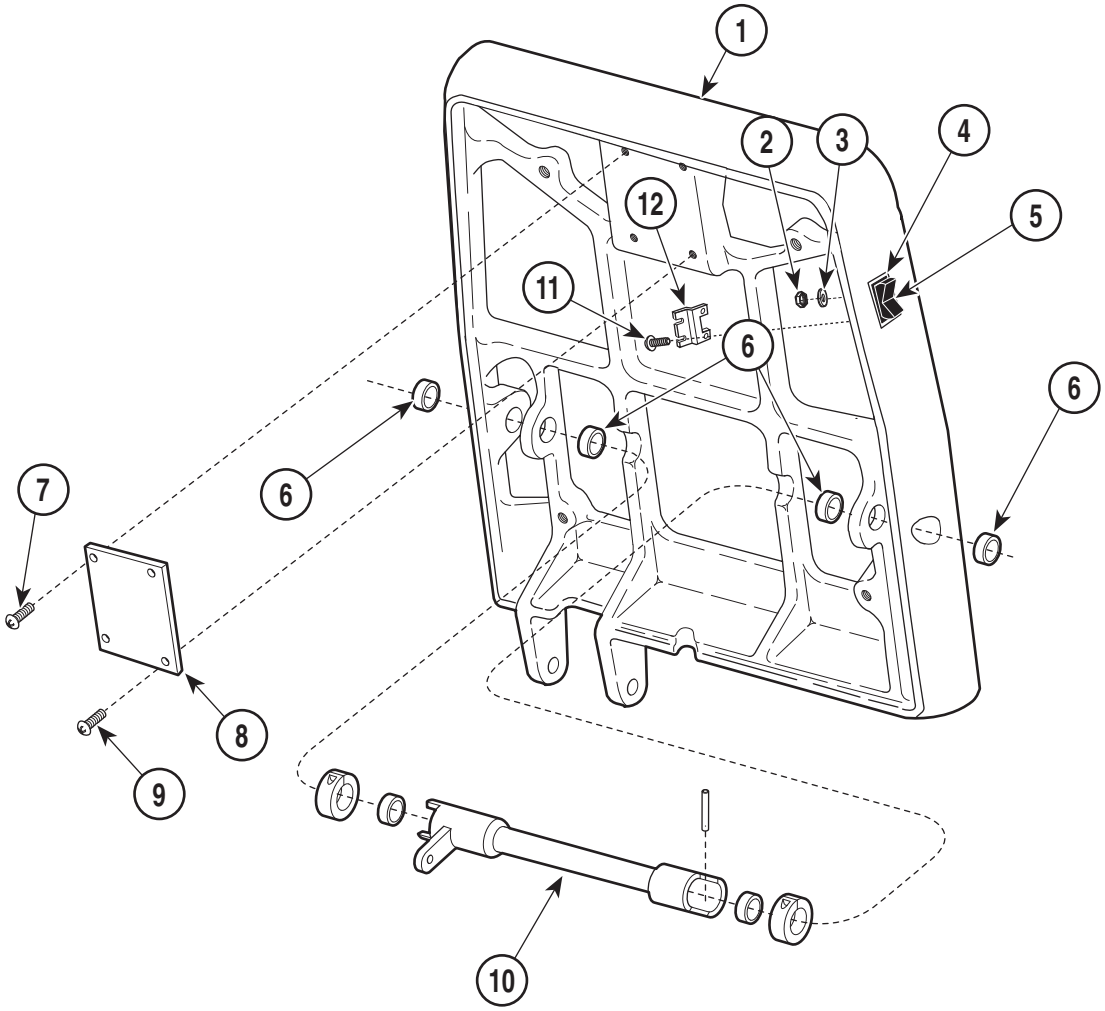
Item	Part No.	Description	Qty.
	029-0440-00	Headrest Assembly	
1		Headrest Upholstery (Refer to "Upholstery Components" Elsewhere)	Ref
2	053-0131-00	Velcro Hook 2" x 2"	1
3	045-0001-13	Spring Washer	2
4	028-0100-00	Headrest	a
5	056-0255-00	Sleeve	1
6	030-0352-00	Handle Weldment	1
7	053-0168-00	Headrest Cover	1
8	040-0006-20	Screw	6
9	040-0010-12	Screw	6
10	025-0028-00	Spring	1
11	030-0353-00	Latch Weldment	1
12	030-0354-00	Plate Weldment	1
13	042-0014-09	Shoulder Screw	2
14	030-0355-00	Support Weldment	1
15	045-0001-15	Flat Washer	4
16	042-0014-10	Shoulder Screw	2
17	053-0161-00	Pillow Cover	1
18	040-0006-01	Screw	6

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Back Assembly



MA329400

Used on 418 Units with Serial Numbers:
AK1000 thru AK1544 V1000 thru V1473

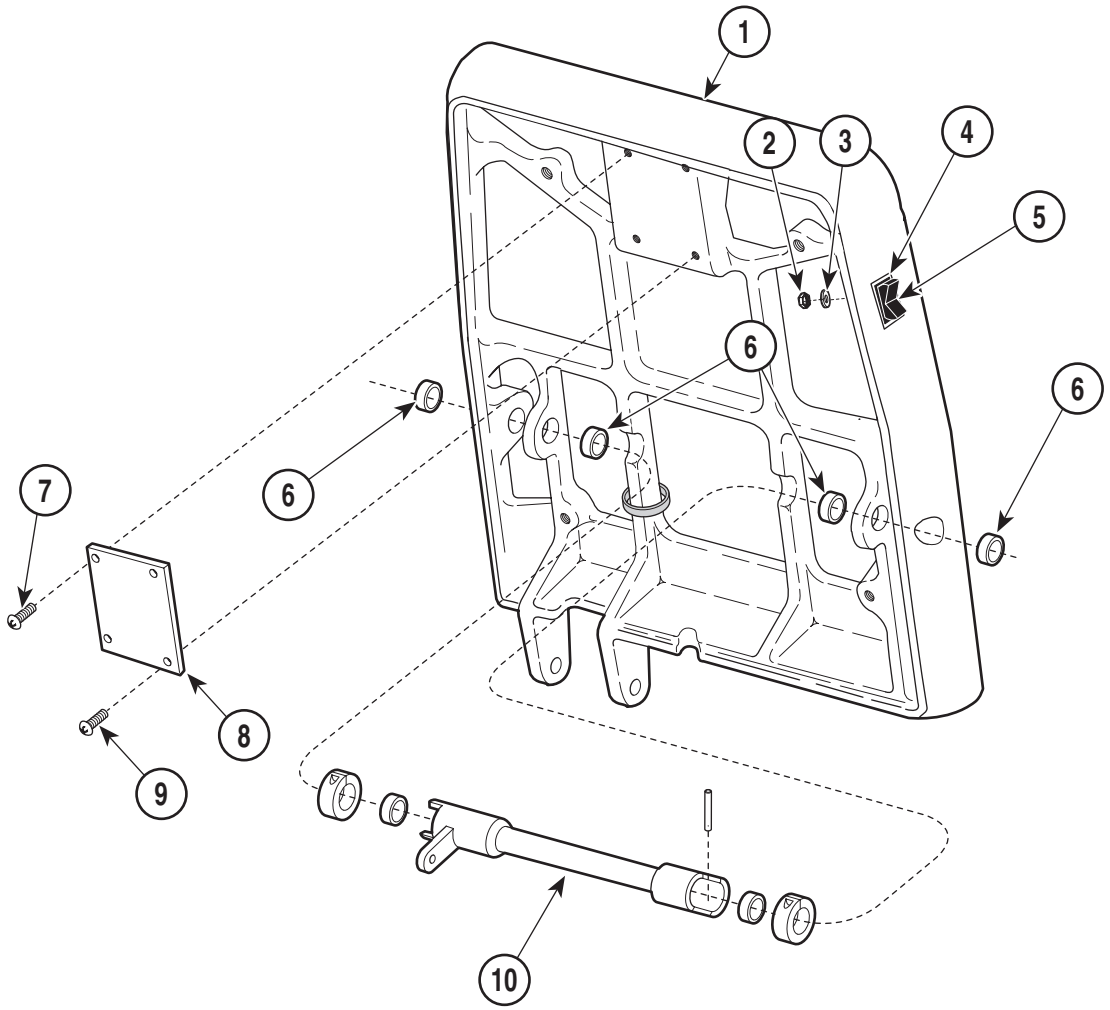
Item	Part No.	Description	Qty.
	029-0474-00	Back Assembly	
1		Back Casting (Refer to " Chair Framing Assembly" Elsewhere)	Ref
2	041-0010-01	Nut	4
3	045-0001-04	Washer	4
4	030-0347-00	Bezel Weldment	2
5	~~015-0409-00~~	Rocker Switch	2
6	016-0076-03	DU Bushing	4
7	040-0250-50	Screw	2
8	050-1025-00	Headrest Plate	1
9	040-0250-49	Screw	2
10		Linkage (Refer to "Linkage Components" Elsewhere)	Ref
11	040-0010-00	Screw	4
12	050-1025-00	Switch Bracket	2

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454 Rev. 1/12

Printed in U.S.A.

Back Assembly



MA329400

Used on 418 Units with Serial Numbers:
AK 1545 Thru Present V 1474Thru Present

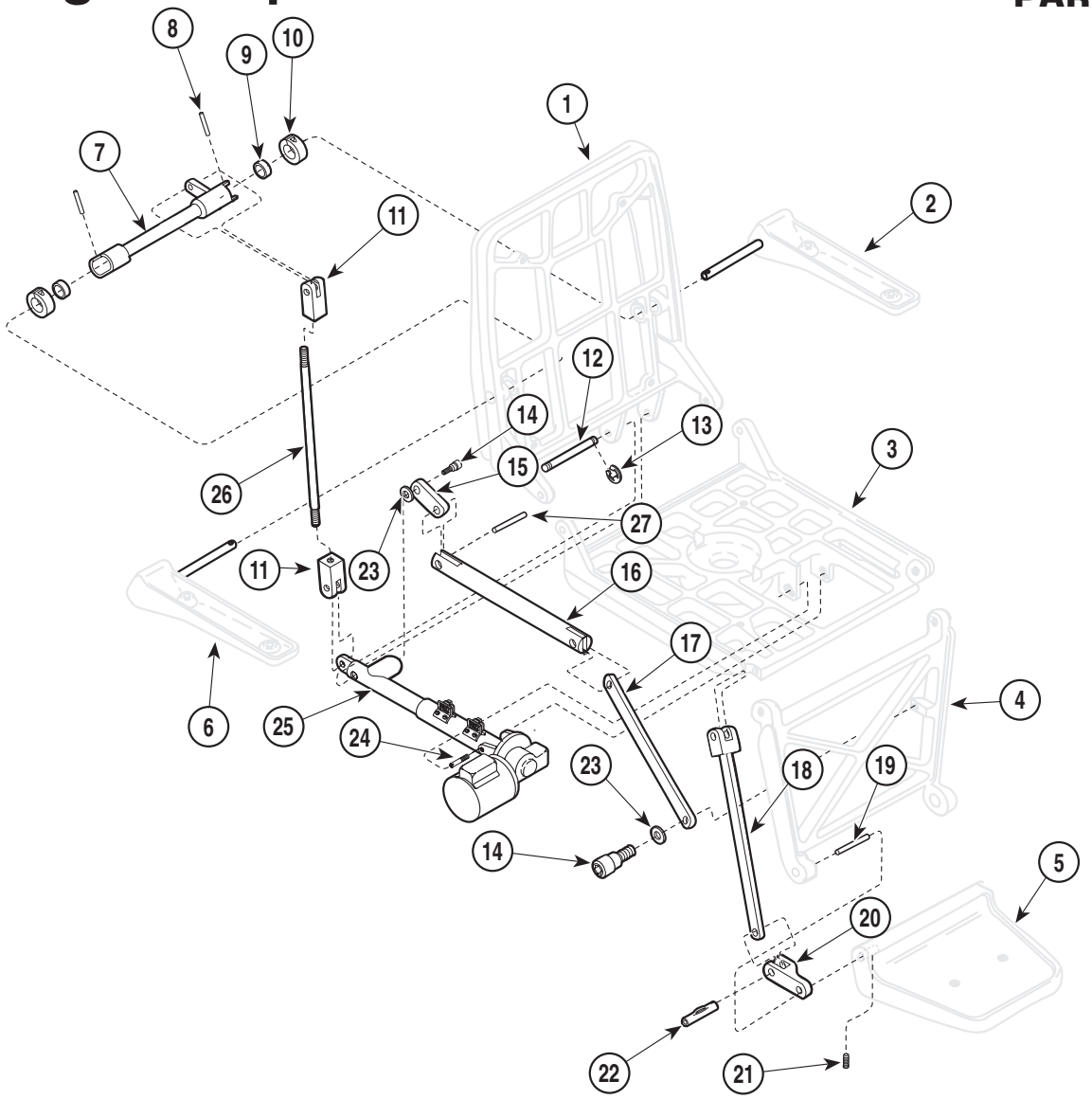
Item	Part No.	Description	Qty.
	029-0436-00	Back Assembly	
1		Back Casting (Refer to " Casting" Elsewhere)	Ref
2	041-0010-01	Nut	4
3	045-0001-04	Washer	4
4	030-0483-00	Bezel Weldment	2
5	015-0518-00	Rocker Switch	2
6	016-0076-03	DU Bushing	4
7	040-0250-50	Screw	2
8	050-1025-00	Headrest Plate	1
9	040-0250-49	Screw	2
10		Linkage (Refer to "Linkage Components"	

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Linkage Components



MA329500

Used on 418 Units with Serial Numbers: AK 1000 Thru AK 1544 V 1000 Thru V 1473

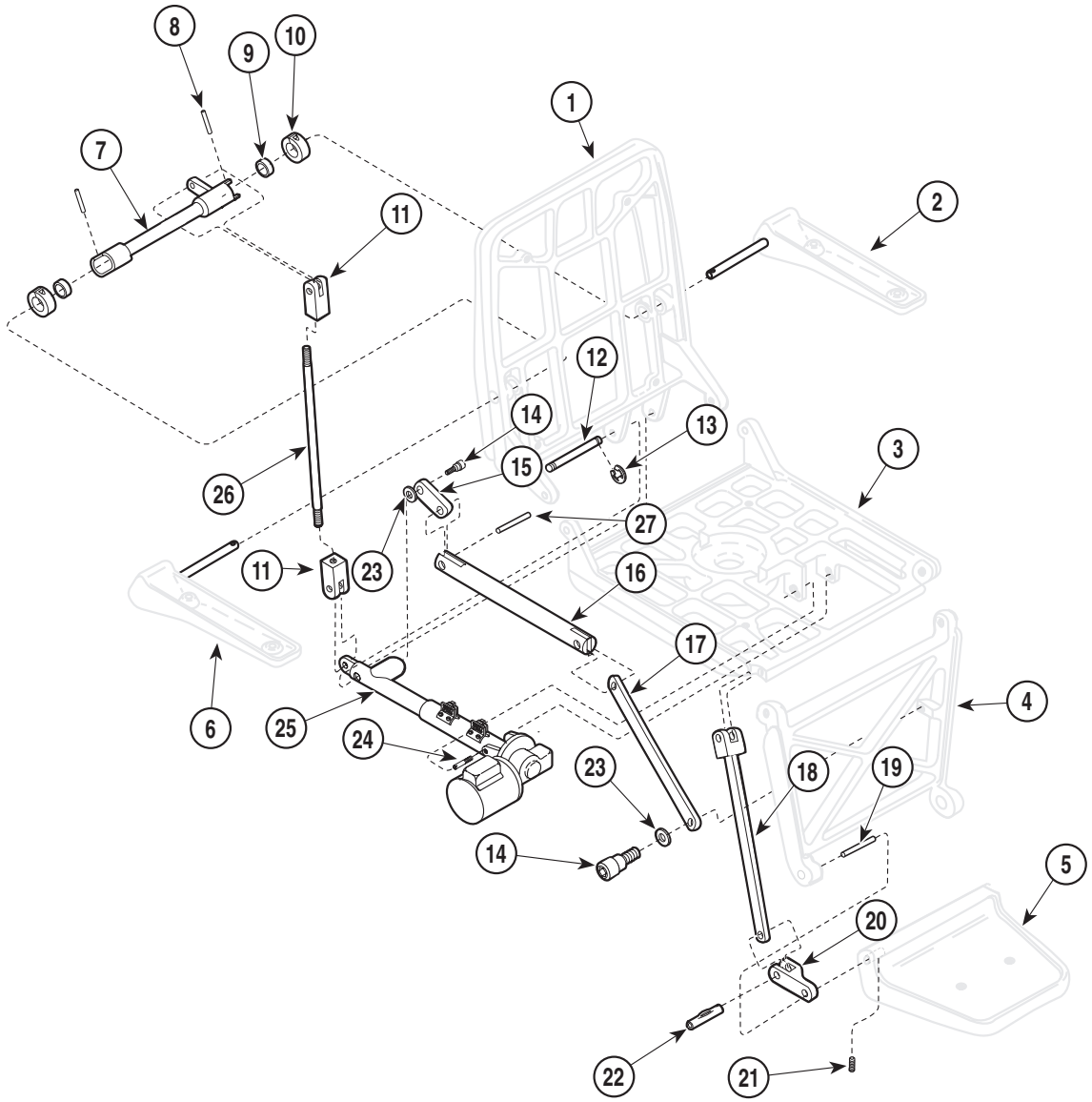
Item	Part No.	Description	Qty.
1		Back Assembly (Refer to "Back Assembly Components" Elsewhere)	Ref.
2		Left Arm Assembly (Refer to "Arm Assembly" Elsewhere)	Ref.
3		Seat Assembly (Refer to" Seat Assembly Components" Elsewhere)	Ref.
4		Leg Casting (Refer to "Chair Framing ..... Assembly" Elsewhere)	Ref.
5		Step Assembly (Refer to "Upholstery Components" Elsewhere)	Ref.
6		Right Arm Assembly (Refer to "Arm Assembly' Elsewhere)	Ref.
7	030-0350-00	Arm Stop Weldment R.H.	1
	030-0349-00	Arm Stop Weldment L.H.	1
8	042-0043-00	Groove Pin	2
9	016-0076-03	Bushing	2
10	016-0200-00	Split Collar	2
11	051-0318-01	Yoke	2
12	057-0133-01	Pin	1
13	042-0007-02	E-Ring	2
14	042-0014-06	Shoulder Bolt	2
15	051-0315-00	Back-Push Rod	1
16	057-0134-01	Push Rod	1
17	051-0316-00	Leg-Push Rod	1
18	030-0344-00	Link Weldment	1
19	057-0142-00	Step Pin	2
20	051-0321-00	Yoke	1
21	040-0250-04	Set Screw	2
22	042-0043-02	Groove Pin	4
23	045-0001-40	Washer	2
24	057-0139-00	Headless Bolt	2
25		Seat Actuator (Refer to "Seat Actuator Components" Elsewhere)	Ref.
26	057-0137-01	Threaded Adjuster	1
27	042-0043-03	Groove Pin	2

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Linkage Components



MA329500

Used on 418 Units with Serial Numbers: AK 1545 Thru Present V 1474Thru Present

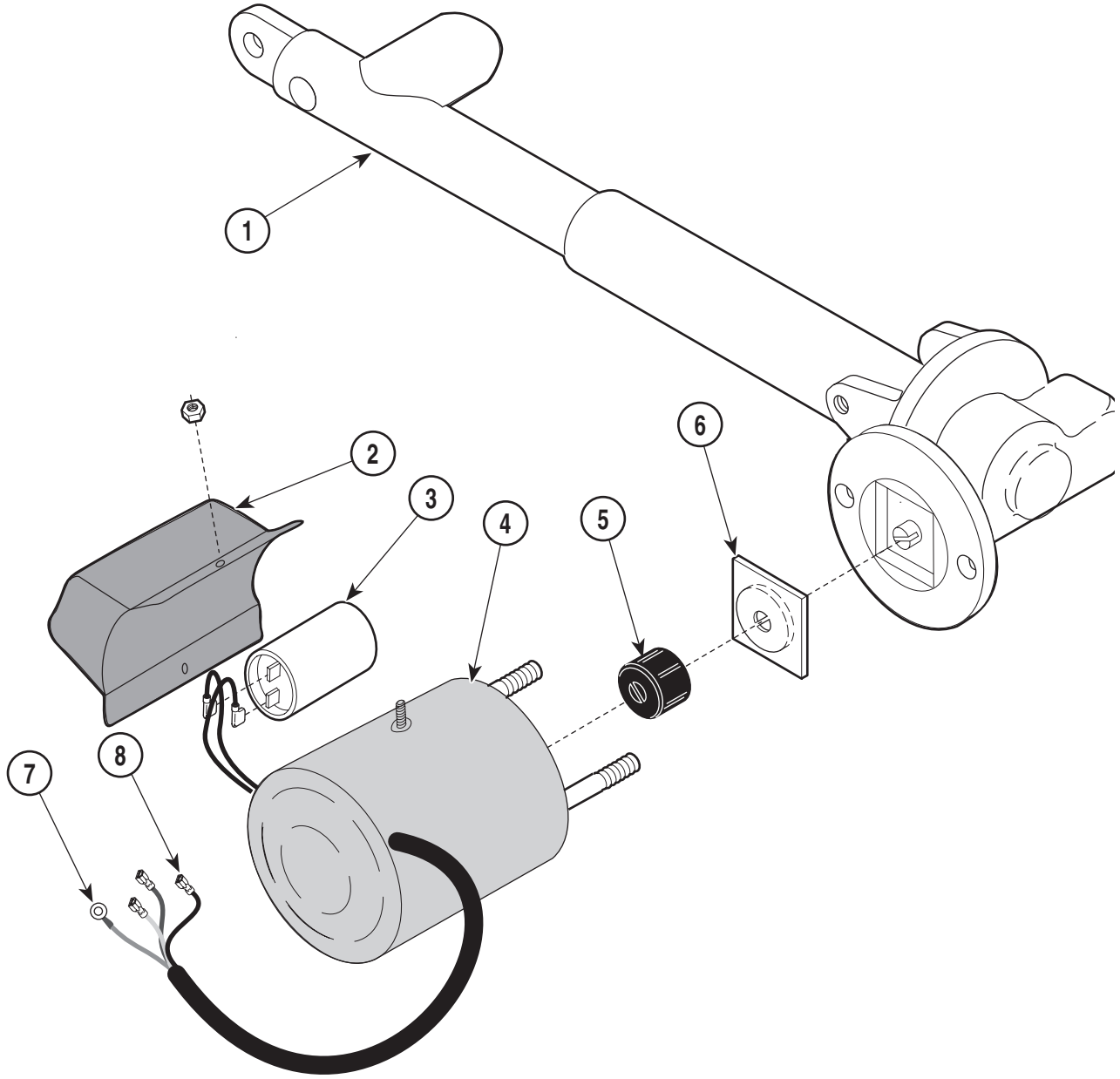
Item	Part No.	Description	Qty.
1		Back Assembly (Refer to "Back Assembly Components" Elsewhere)	Ref.
2		Left Arm Assembly (Refer to "Arm Assembly" Elsewhere)	Ref.
3		Seat Assembly (Refer to" Seat Assembly Components" Elsewhere)	Ref.
4		Leg Casting (Refer to "Chair Frame 'Assembly" Elsewhere)	Ref.
5		Step Assembly (Refer to "Upholstery Components" Elsewhere)	Ref.
6		Right Arm Assembly (Refer to "Arm Assembly' Elsewhere)	Ref.
7	030-0482-00	Arm Stop Weldment	1
8	042-0043-00	Groove Pin	2
9	016-0076-03	Bushing	2
10	016-0200-00	Split Collar	2
11	051-0318-01	Yoke	2
12	057-0133-01	Pin	1
13	042-0007-02	E-Ring	2
14	042-0014-06	Shoulder Bolt	2
15	051-0315-00	Back-Push Rod	1
16	057-0134-01	Push Rod	1
17	051-0316-00	Leg-Push Rod	1
18	030-0344-00	Link Weldment	1
19	057-0142-00	Step Pin	2
20	051-0321-00	Yoke	1
21	040-0250-04	Set Screw	2
22	042-0043-02	Groove Pin	4
23	045-0001-40	Washer	2
24	057-0139-00	Headless Bolt	2
25		Seat Actuator (Refer to "Seat Actuator Components" Elsewhere)	Ref.
26	057-0137-01	Threaded Adjuster	1
27	042-0043-03	Groove Pin	2

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454 Rev. 8/95

Printed in U.S.A.

Seat Actuator Assembly



MA329701

Used on 418 Units with Serial Numbers: AK 1000 Thru AK 1220

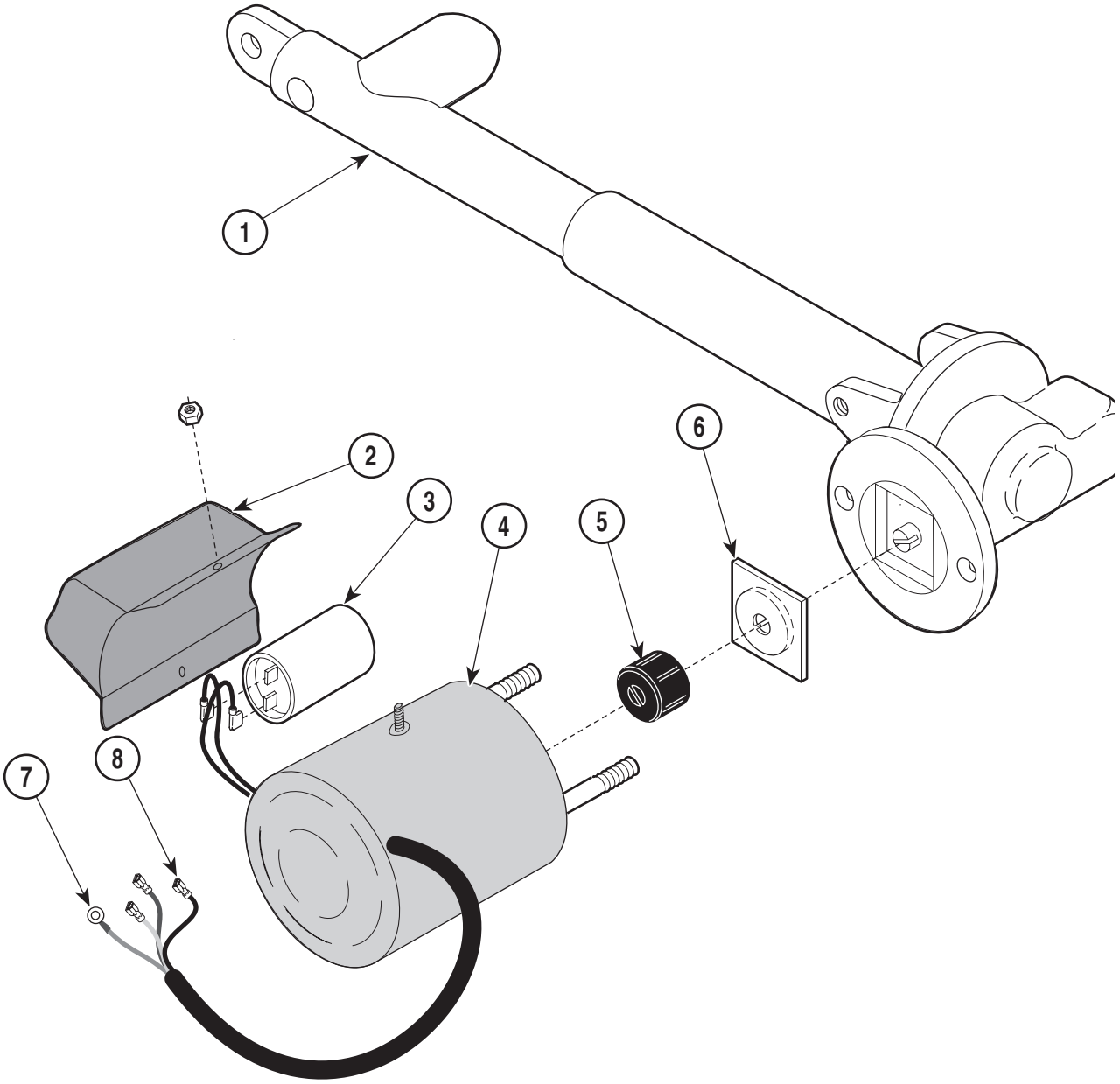
Item	Part No.	Description	Qty.
	029-0430-00	Seat Actuator Assembly	
1	016-0193-00	Seat Actuator	1
2	•	• Capacitor Cover (115 V only)	1
3	• 015-0437-02	• Capacitor (115 V Only {Less Cap})	1
	015-0438-00	• Capacitor Cap	1
4	• 002-0574-00	•Motor	1
	• •015-0215-12	• •Heat Shrink (clear, not shown)	AR
5	• 015-0652-02	Motor Coupler	1
6	• 016-0237-00	•Actuator Brake	1
7	015-0310-01	Terminal	1
8	015-0311-00	Terminal	3

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev 7/99

Printed in U.S.A.

Seat Actuator Assembly



MA329701

Used on 418 Units with Serial Numbers: AK 1221 Thru AK 1267

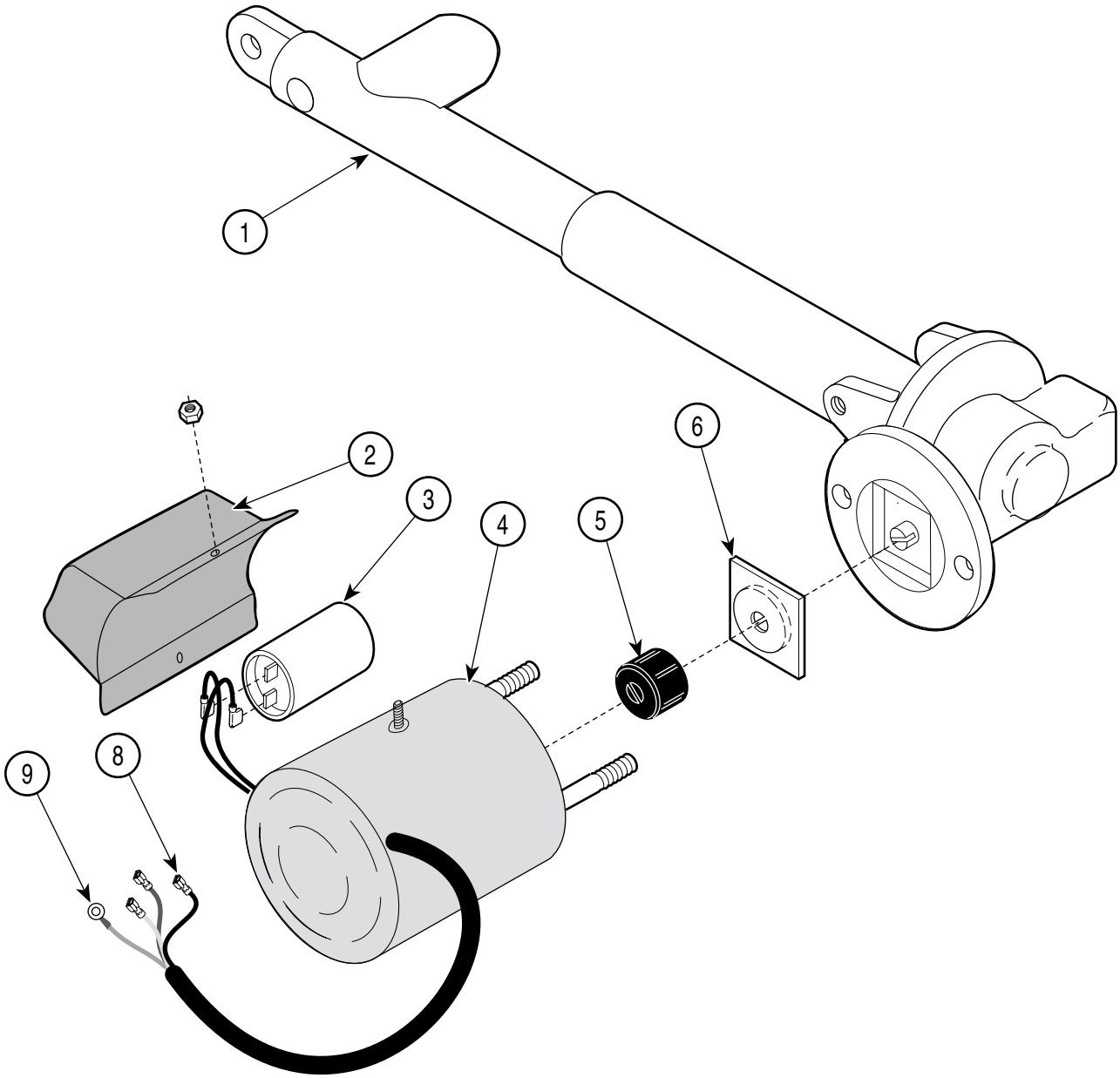
Item	Part No.	Description	Qty.
	029-0590-00	Seat Actuator Assembly	
1	016-0280-00	Seat Actuator	1
2	•	• Capacitor Cover (115 V only)	1
3	• 015-0437-02	• Capacitor (115 V Only {Less Cap})	1
	015-0438-00	• Capacitor Cap	1
4	• 002-0574-00	•Motor	1
	••015-0215-12	••Heat Shrink (clear, not shown)	AR
5	• 015-0652-02	Motor Coupler	1
6	• 016-0237-00	•Actuator Brake	1
7	015-0310-01	Terminal	1
8	015-0311-00	Terminal	3

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454 Rev3/98

Printed in U.S.A.

Seat Actuator Assembly



MA329701

Used on 418 Units with Serial Numbers: AK1268 thru AK1273

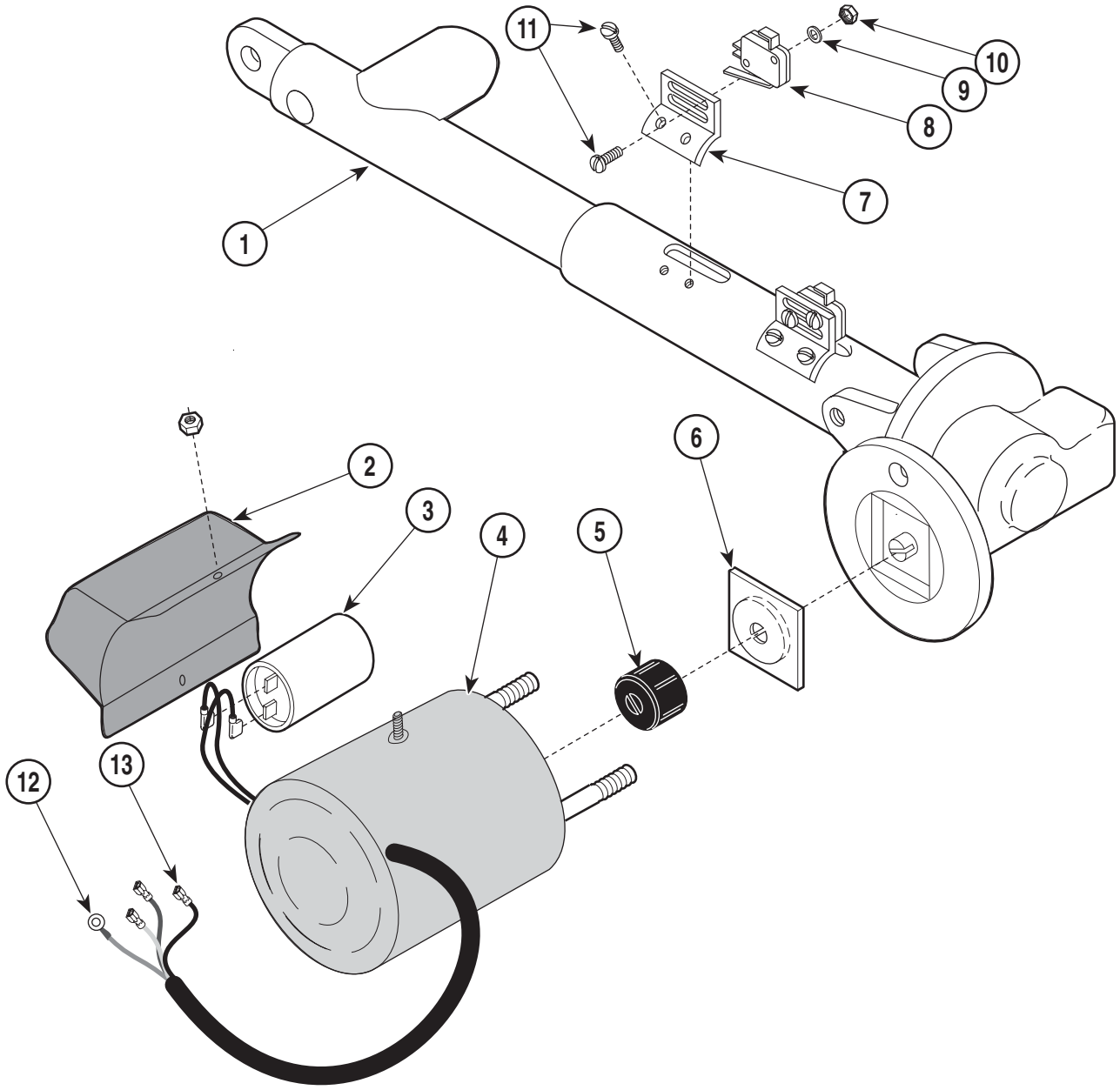
Item	Part No.	Description	Qty.
	029-0590-00	Seat Actuator Assembly	
1	016-0280-00	Seat Actuator	1
2	•	• Capacitor Cover (115 V only)	1
3	• 015-0437-01	• Capacitor (115 V Only {Less Cap})	1
	015-0438-00	• Capacitor Cap	1
4	• 002-0574-00	• Motor	1
	• • 015-0466-12	• • Heat Shrink (clear, not shown)	AR
5	• 015-0652-02	Motor Coupler	1
6	• 016-0237-00	• Actuator Brake	1
7	•	• Bracket (Not Shown)	
8	015-0310-01	Terminal	1
9	015-0311-00	Terminal	3

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev. 6/00

Printed in U.S.A.

Seat Actuator Assembly



MA329700

Old Style Actuator Parts Used on 418 Units with Serial Numbers: AK1274 thru Present

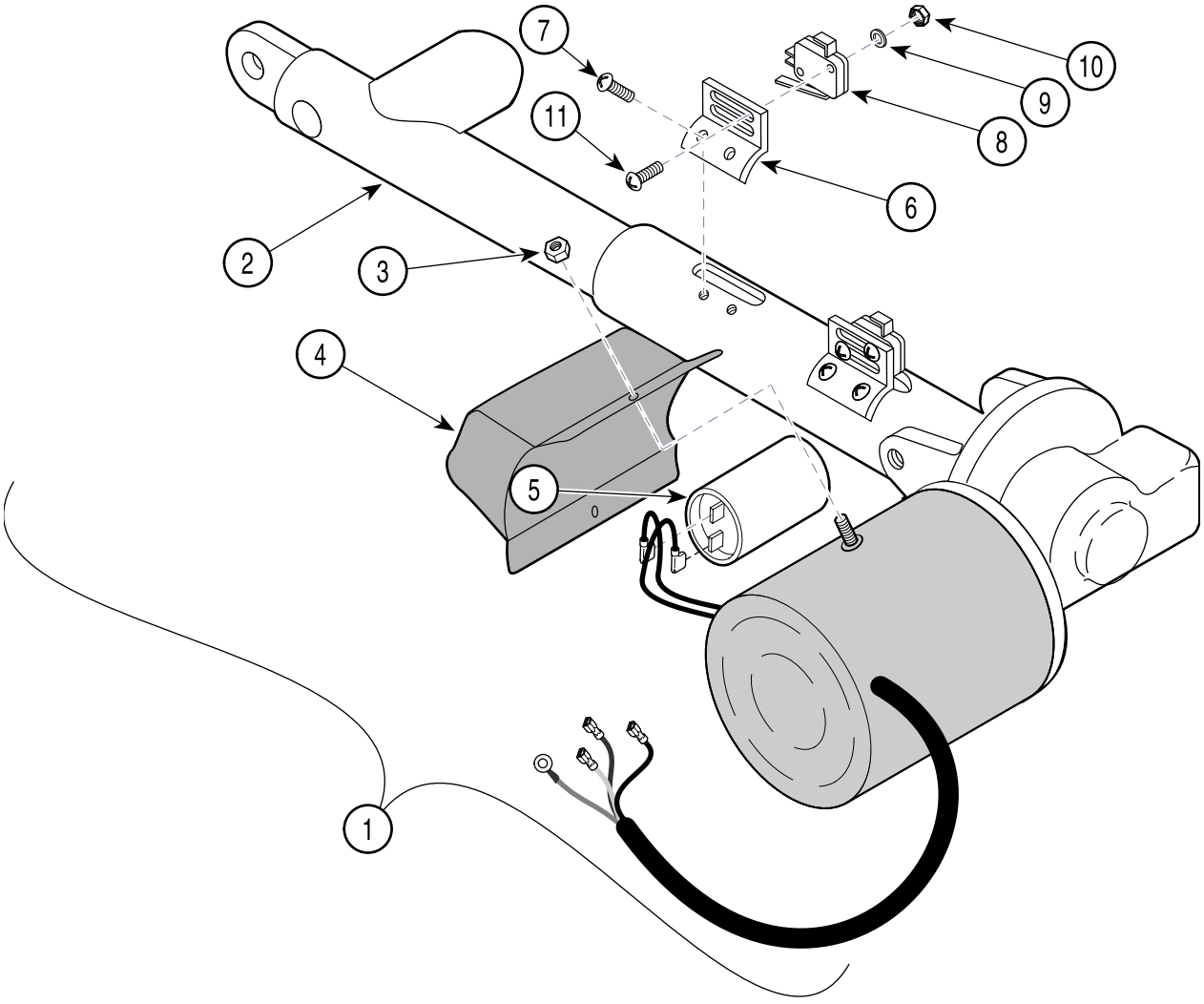
Item	Part No.	Description	Qty.
	029-0596-00	Seat Actuator Assembly	
1		Seat Actuator	1
2	•	• Capacitor Cover (115 V only)	1
3	• 015-0437-01	• Capacitor (115 V Only {Less Cap})	1
	015-0438-00	• Capacitor Cap	1
4	• 002-0574-00	• Motor	1
	•• 015-0466-12	•• Heat Shrink (clear, not shown)	AR
5	• 015-0652-02	Motor Coupler	1
6	• 016-0237-00	• Actuator Brake	1
7	•	• Bracket	
8	• 015-0430-00	• Switch	2
9	• 045-0001-38	• Lock Washer	4
10	• 041-0004-09	• Nut	4
11	• 040-0004-09	• Screw	4
12	015-0310-01	Terminal	1
13	015-0311-00	Terminal	3

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454 Rev 6/05

Printed in U.S.A.

Seat Actuator Assembly



MA565000

New Style Actuator Parts Used on 418 Units with Serial Numbers: AK1274 thru Present and V2006 thru Present

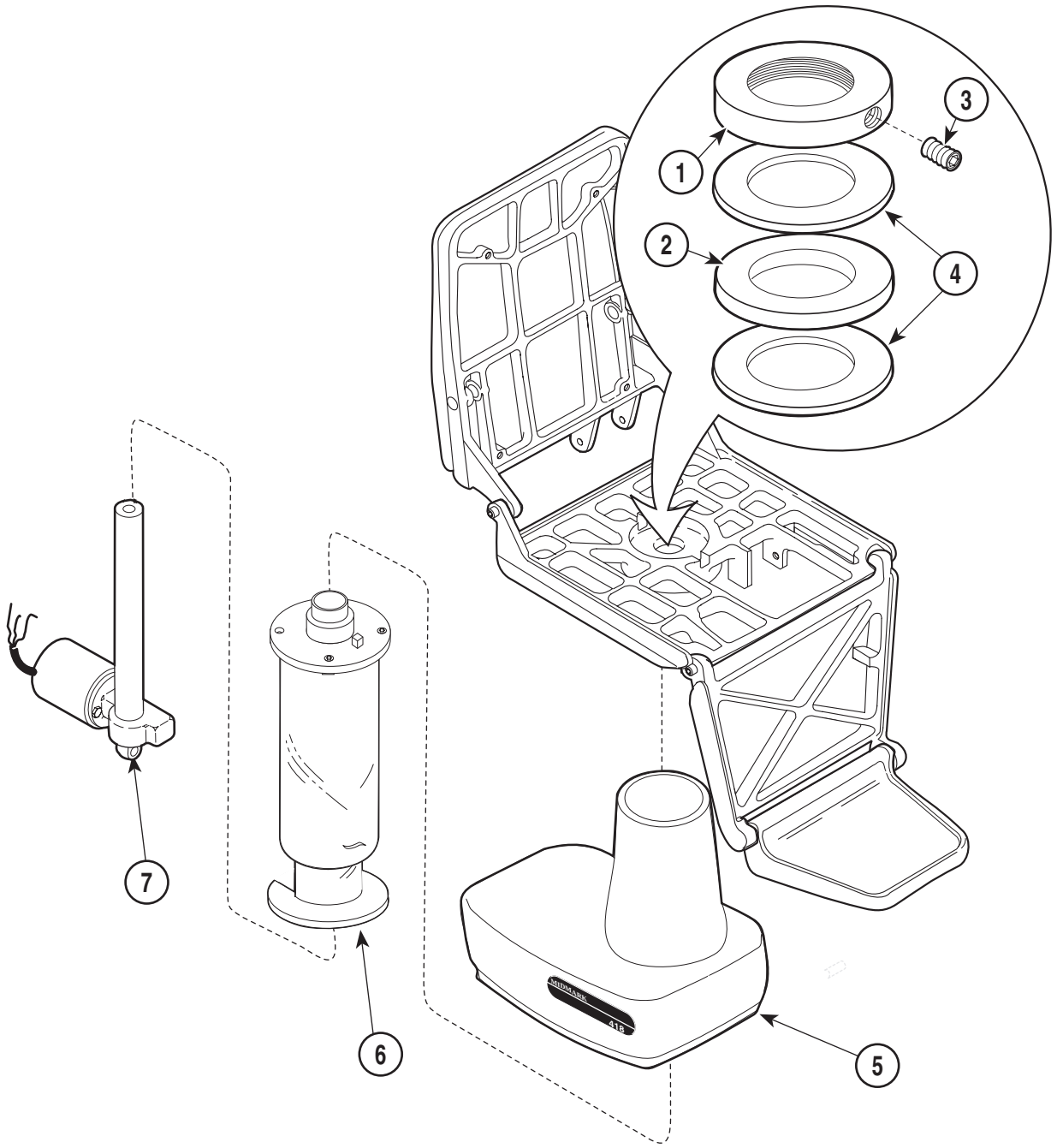
Item	Part No.	Description	Qty.
1	002-0596-00	Seat Actuator Assembly *(includes items 2 thru 7)*	
2	• 029-2182-00	• Seat Actuator - Domestic	1
	• 029-2182-01	• Seat Actuator - Export	1
3	•	• Nut	2
4	•	• Capacitor Cover (115 V only)	1
5	• 015-0437-01	• Capacitor (115 V Only {Less Cap})	1
	015-0438-00	• Capacitor Cap	1
6	• 050-3949-00	• Bracket	2
7	• 040-0004-09	• Screw	4
8	015-0430-00	Switch	2
9	045-0001-38	Lock Washer	4
10	041-0004-09	Nut 4	
11	040-0004-09	Screw	4

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev. 3/05

Printed in U.S.A.

Seat Pivot Assembly



MA329800

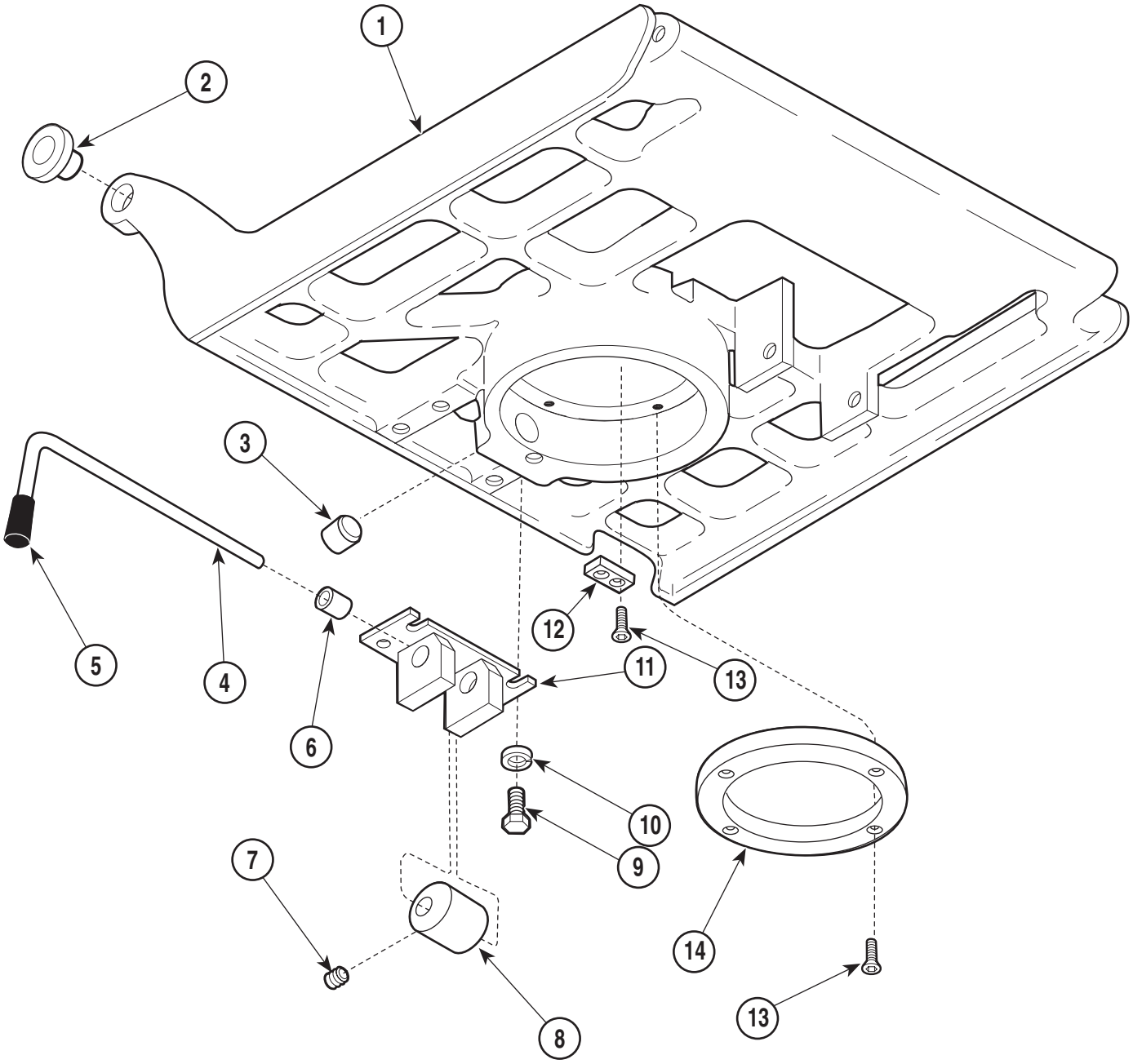
Item	Part No.	Description	Qty.
1	057-0140-00	Seat Nut	1
2	016-0196-00	Thrust Bearing	1
3	040-0250-05	Set Screw	1
4	016-0195-00	Thrust Washer	2
5	053-0163-00	Motor Cover	1
6		Elevation Tube (Refer to "Column Assembly" Elsewhere)	1
7		Base Actuator (Refer to " Base Actuator Assembly" Elsewhere)	1

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Seat Assembly



MA329900

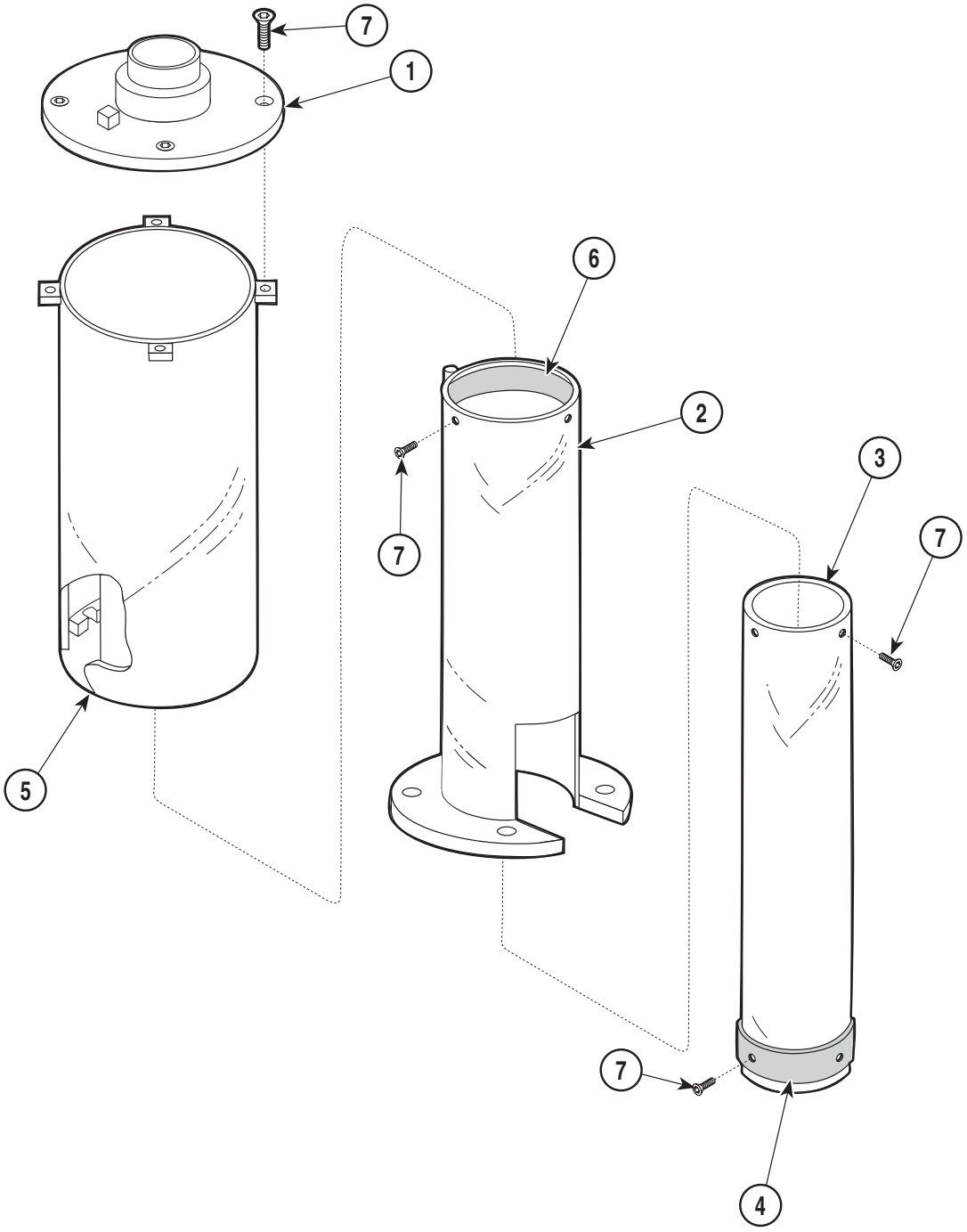
Item	Part No.	Description	Qty.
1		Seat Casting (Refer to "Chair Frame Assembly "Elsewhere)	Ref.
2	016-0076-00	Bushing	2
3	057-0141-00	Stop	1
4	057-0245-00	Handle	1
5	016-0123-00	Knob	1
6	016-0076-04	Bushing	2
7	040-0250-05	Set Screw	2
8	057-0244-00	Cam Stop	1
9	040-0250-10	Bolt	4
10	045-0001-23	Lockwasher	4
11	030-0345-00	Stop Weldment	1
12	051--325-00	Pad	1
13	040-0010-36	Bolt	6
14	053-0164-00	Bearing	1

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Column Assembly



MA329000

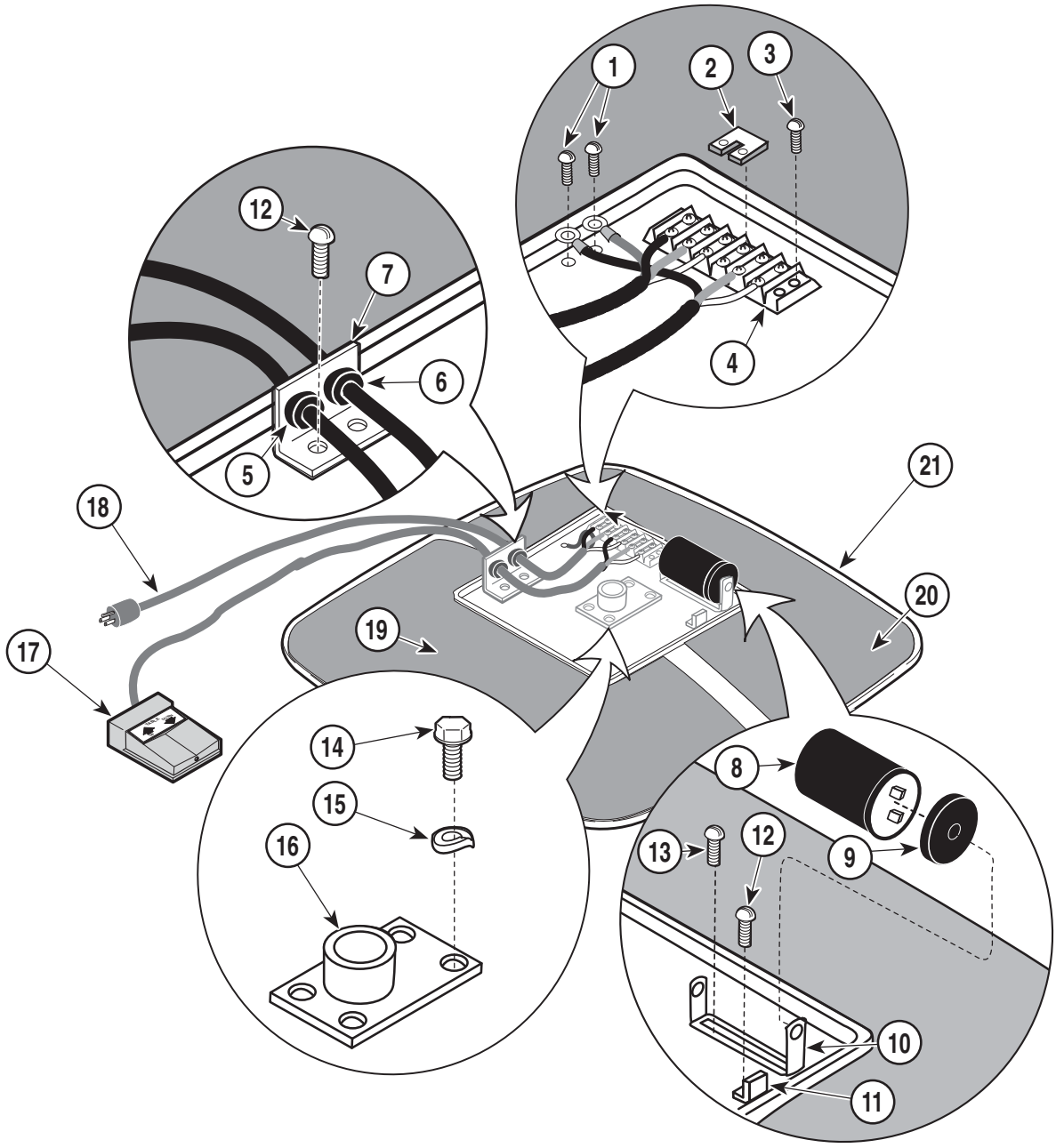
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	029-0433-00	Elevation Tub Assembly		4	016-0199-00	Bearing	1
1	030-0351-00	Top Plate	1	5	030-0356-00	Cover Tube	1
2	030-0357-00	Outer Tube	1	6	016-0203-00	Bearing	1
3	052-0086-00	Inner Tube	1	7		Screw (Add 262 Loctite)	18

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Base Assembly



MA329100

Used on 418 Units with Serial Numbers: AK1000 thru AK1418

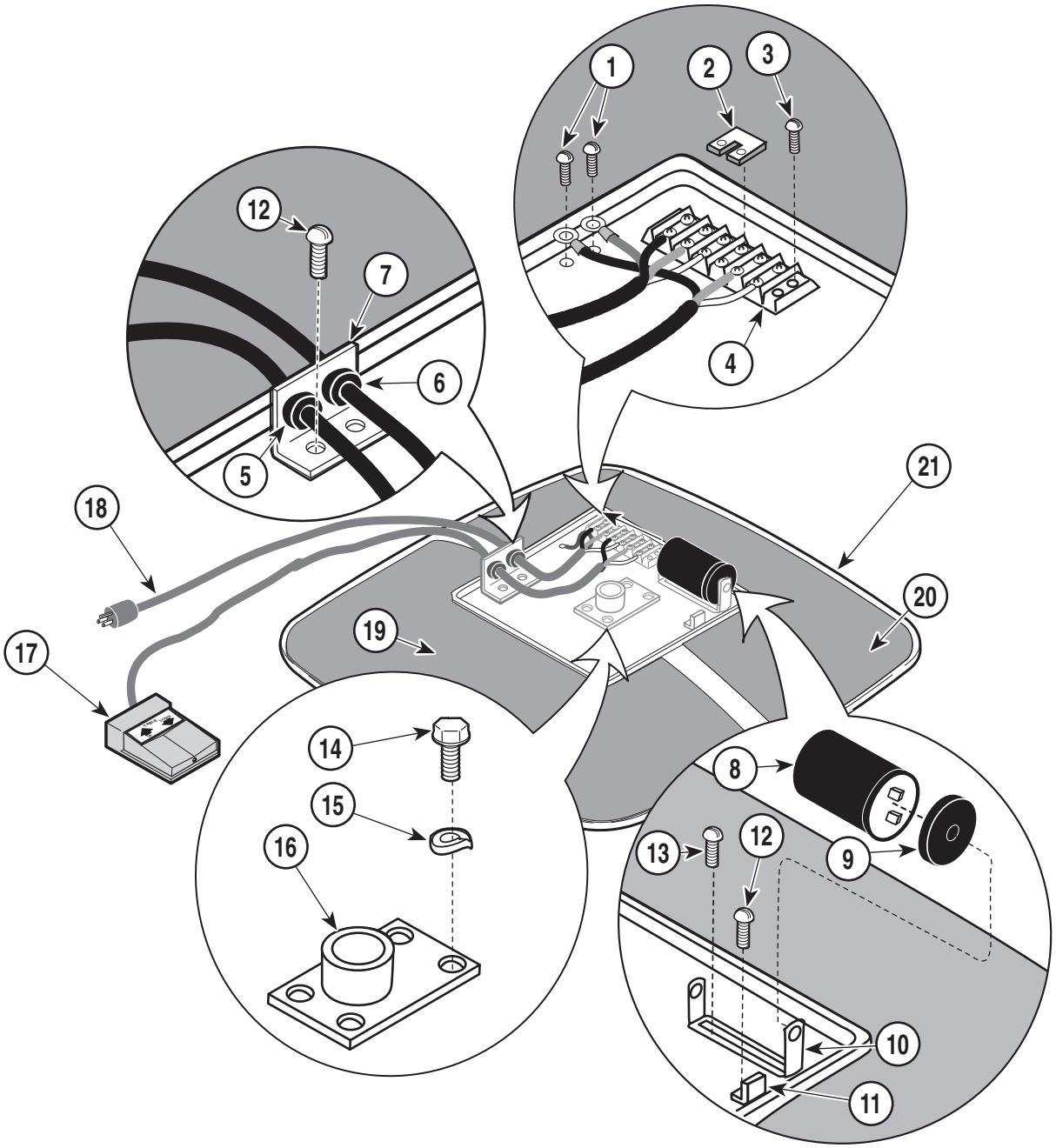
Item	Part No.	Description	Qty.
	029-0434-00	Base Assembly	
1	040-0010-47	Screw (plus 045-0001-31 external tooth lockwasher)	2
2	015-0022-01	Jumper	1
3	040-0006-33	Screw	2
4	015-0009-03	Terminal Block	1
5	015-0002-02	Strain Relief	1
6	015-0002-01	Sttrain Relief	1
7	050-1022-01	Strain Relief Bracket	1
8	015-0437-02	Capacitor	1
9	015-0413-00	Capacitor Cap	1
10	015-0412-00	Capacitor Cup	1
11	050-1184-00	Clip	2
12	040-0010-04	Screw	2
13	040-0010-52	Screw	2
14	040-0250-36	Bolt	4
15	045-0001-23	Lockwasher	4
16	030-0348-00	Mounting Weldment	1
17		Footswitch (Refer to "Footswitch Assembly" Elsewhere)	Ref
18	015-0066-02	Cord Assembly	1
19	~~053-0360-00~~	Step Tread L.H.	1
20	053-0360-01	Step Tread R.H.	1
21	020-0035-00	Base	1

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev 12/11

Printed in U.S.A.

Base Assembly



MA329100

Used on 418 Units with Serial Numbers: AK1419 thru Present

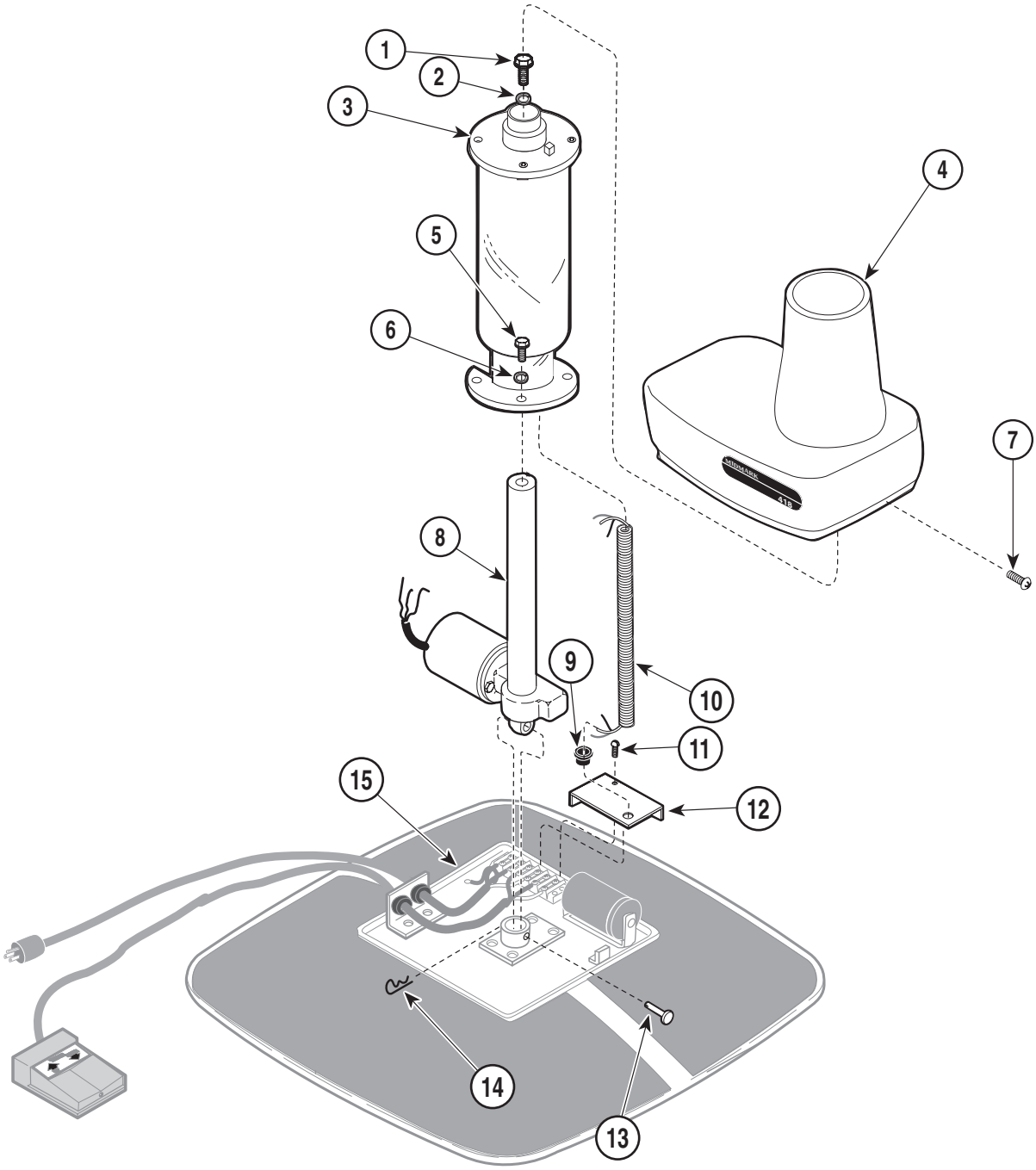
Item	Part No.	Description	Qty.
	029-0434-00	Base Assembly	
1	040-0010-47	Screw (plus 045-0001-31 external tooth lockwasher)	2
2	015-0022-01	Jumper	1
3	040-0006-33	Screw	2
4	015-0009-03	Terminal Block	1
5	015-0002-02	Strain Relief	1
6	015-0002-01	Sttrain Relief	1
7	050-1022-01	Strain Relief Bracket	1
8	015-0437-02	Capacitor	1
9	015-0413-00	Capacitor Cap	1
10	015-0412-00	Capacitor Cup	1
11	050-1184-00	Clip	2
12	040-0010-04	Screw	2
13	040-0010-52	Screw	2
14	040-0250-36	Bolt	4
15	045-0001-23	Lockwasher	4
16	030-0348-00	Mounting Weldment	1
17		Footswitch (Refer to "Footswitch Assembly" Elsewhere)	Ref
18	015-0066-09	Cord Assembly	1
19	~~053-0360-00~~	Step Tread L.H.	1
20	053-0360-01	Step Tread R.H.	1
21	020-0035-00	Base	1

Always Specify Model & Serial Number

©Midmark Corporation 1994 SF-1454 Rev 12/11

Printed in U.S.A.

Base and Elevation Column Assembly



MA330200

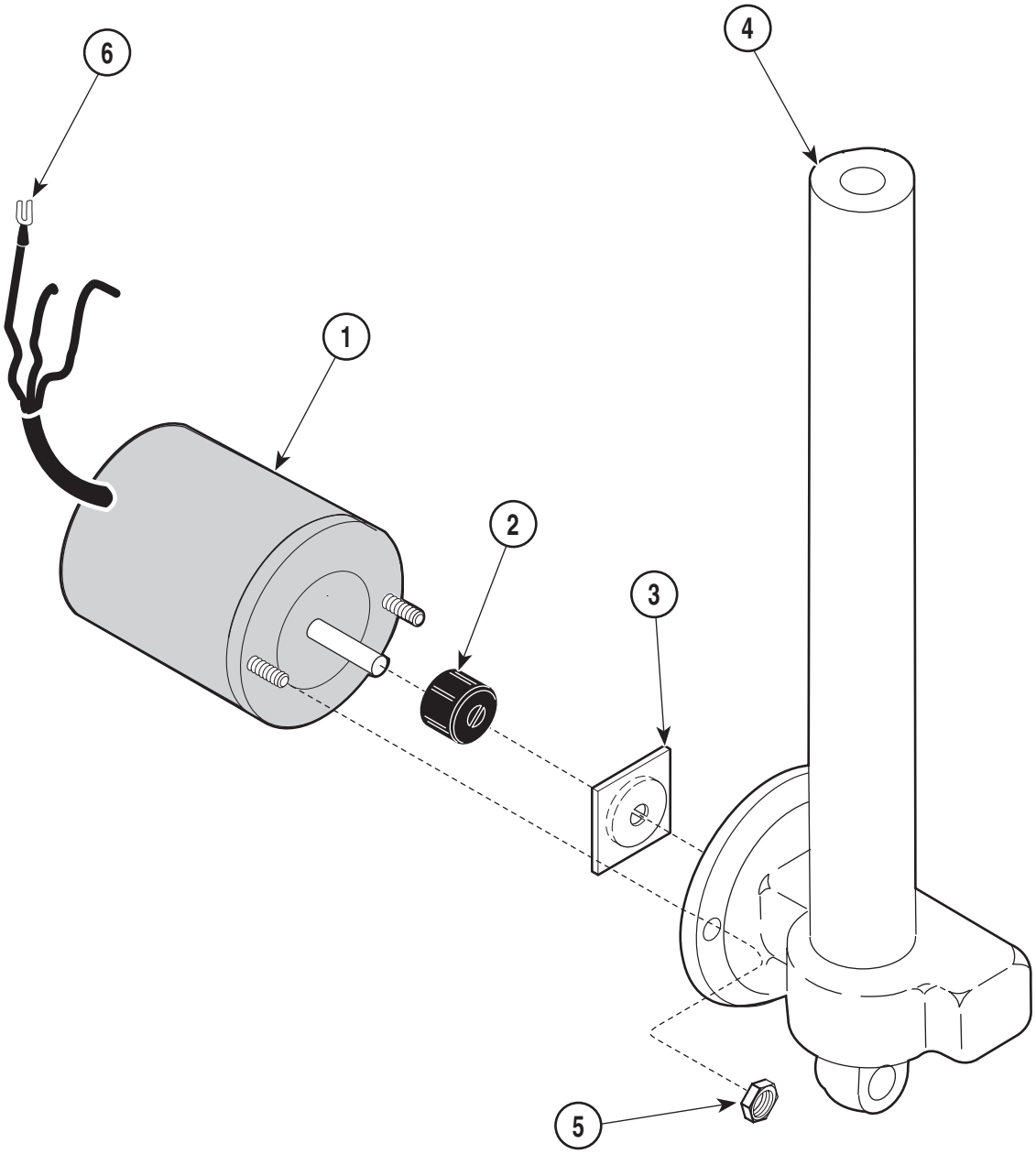
Item	Part No.	Description	Qty.
1	040-0375-03	Bolt (apply Loctite 262)	1
2	045-0001-09	Lockwasher	1
3		Elevation Tube Assembly (Refer to "Column Assembly" Elsewhere)	Ref.
4		Motor Cover (Refer to "Seat Swivel Assembly" Elsewhere)	Ref.
5	040-0500-00	Bolt	4
6	045-0001-33	Lockwasher	4
7	040-0010-00	Screw	2
8		Actuator (Refer to "Base Actuator Assembly" Elsewhere)	Ref.
9	015-0002-04	Strain Relief	1
10	015-0415-00	Retractile Cord	1
11	040-0010-53	Screw	1
12	050-1185-00	Terminal Block Cover	1
13	042-0005-01	Clevis Pin	1
14	042-0004-00	Hitch Pin Clip	1
15	S071-00010	Neoprene Seal	1

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Base Actuator Assembly



MA330000

Used on 418 Units with Serial Numbers: AK 1000 Thru AK 1267

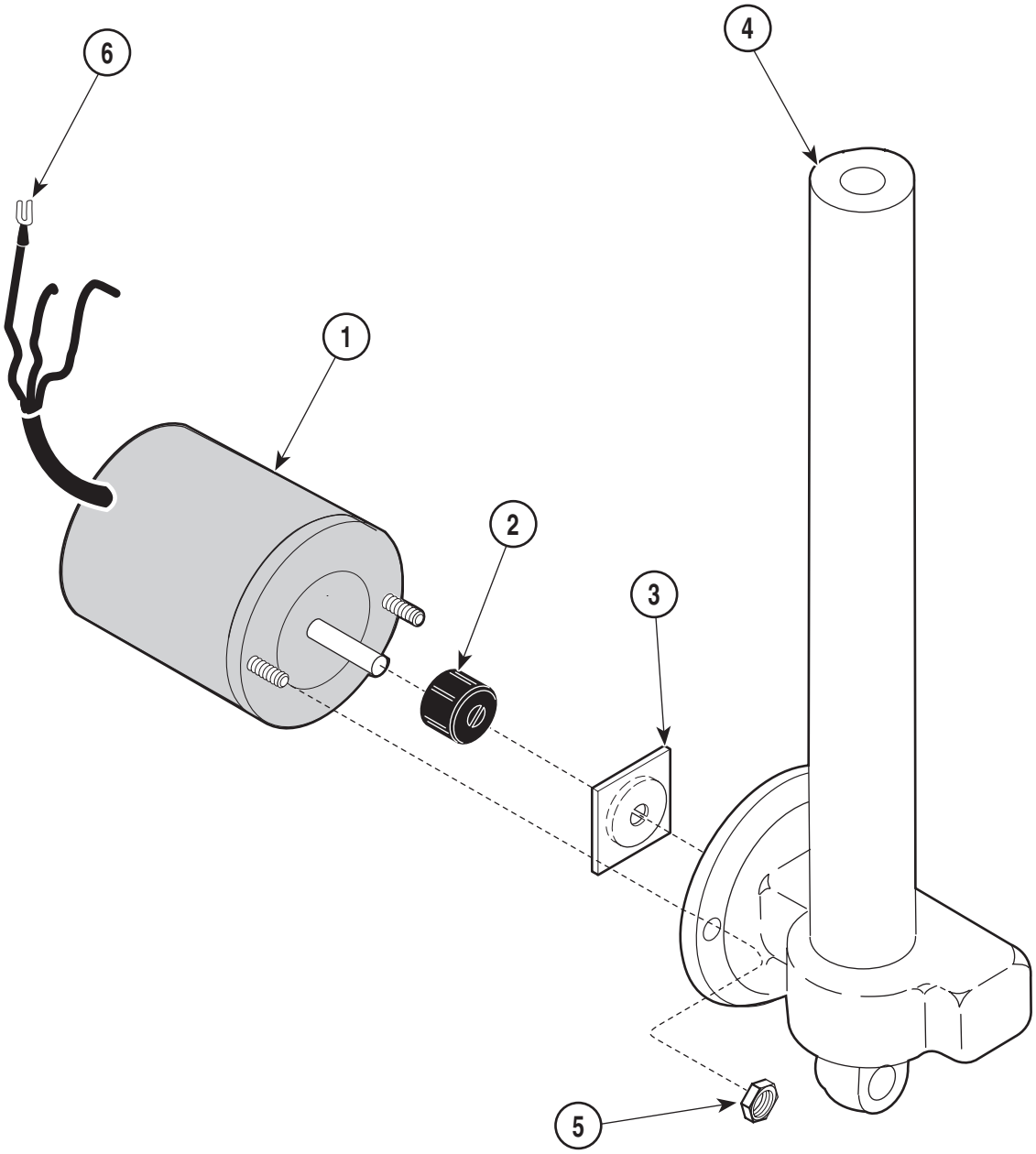
Item	Part No.	Description	Qty.
	029-0428-00	Ball Drive Actuator Assembly	
1	015-0652-00	Motor (115 V)	1
2	016-0509-00	Motor Coupler	1
3	016-0237-00	Actuator Brake	1
4	016-0194-04	Actuator	1
5		Nut	2
6	015-0018-03	Spade Terminal	3
	015-0215-12	Heat Shrink Tubing (not shown)	AR

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Base Actuator Assembly



MA330000

Used on 418 Units with Serial Numbers: AK 1268 Thru Present

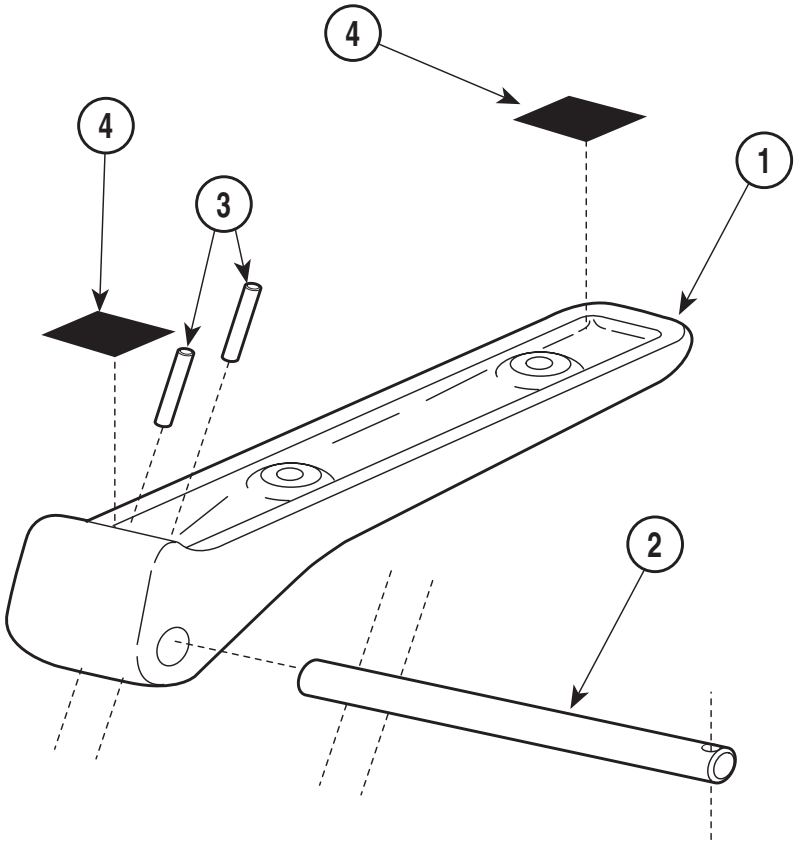
Item	Part No.	Description	Qty.
	029-0428-00	Ball Drive Actuator Assembly	
1	015-0652-00	Motor (115 V)	1
2	016-0509-00	Motor Coupler	1
3	016-0237-00	Actuator Brake	1
4	016-0194-04	Actuator	1
5		Nut	2
6	015-0018-03	Spade Terminal	3
	015-0466-12	Heat Shrink Tubing (not shown)	AR

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Arm Assembly



MA330100

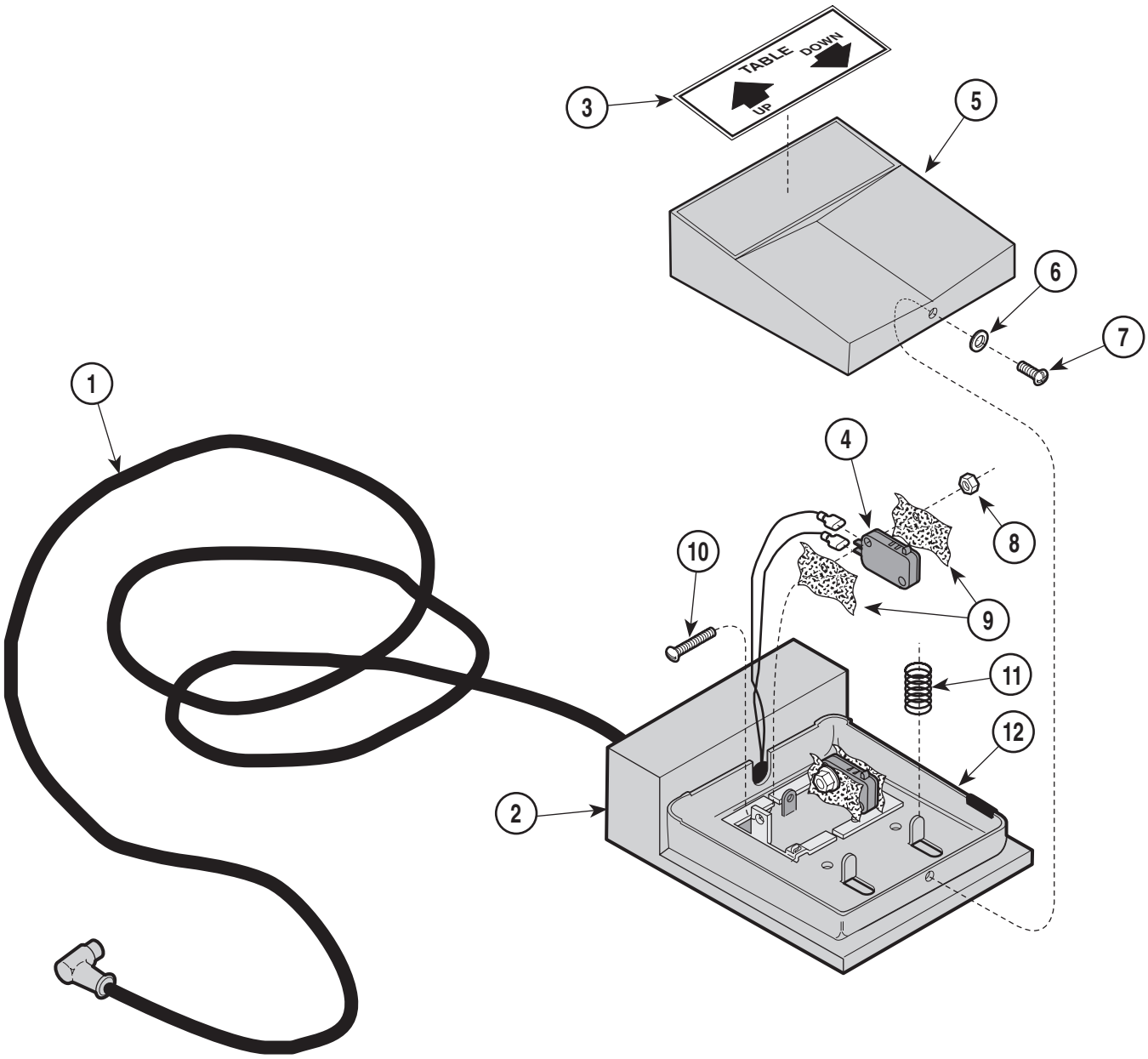
Item	Part No.	Description	Qty.
	029-0429-00	Arm Assembly R.H.	
	029-0429-01	Arm Assembly L.H.	
1		Arm Casting (Refer to "Chair Frame Assembly" Elsewhere)	Ref
2	057-0136-00	Arm Shaft	1
3	042-0043-00	Groove Pin	2
4	053-0131-00	Velcro	2

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Footswitch Assembly



MA 329300

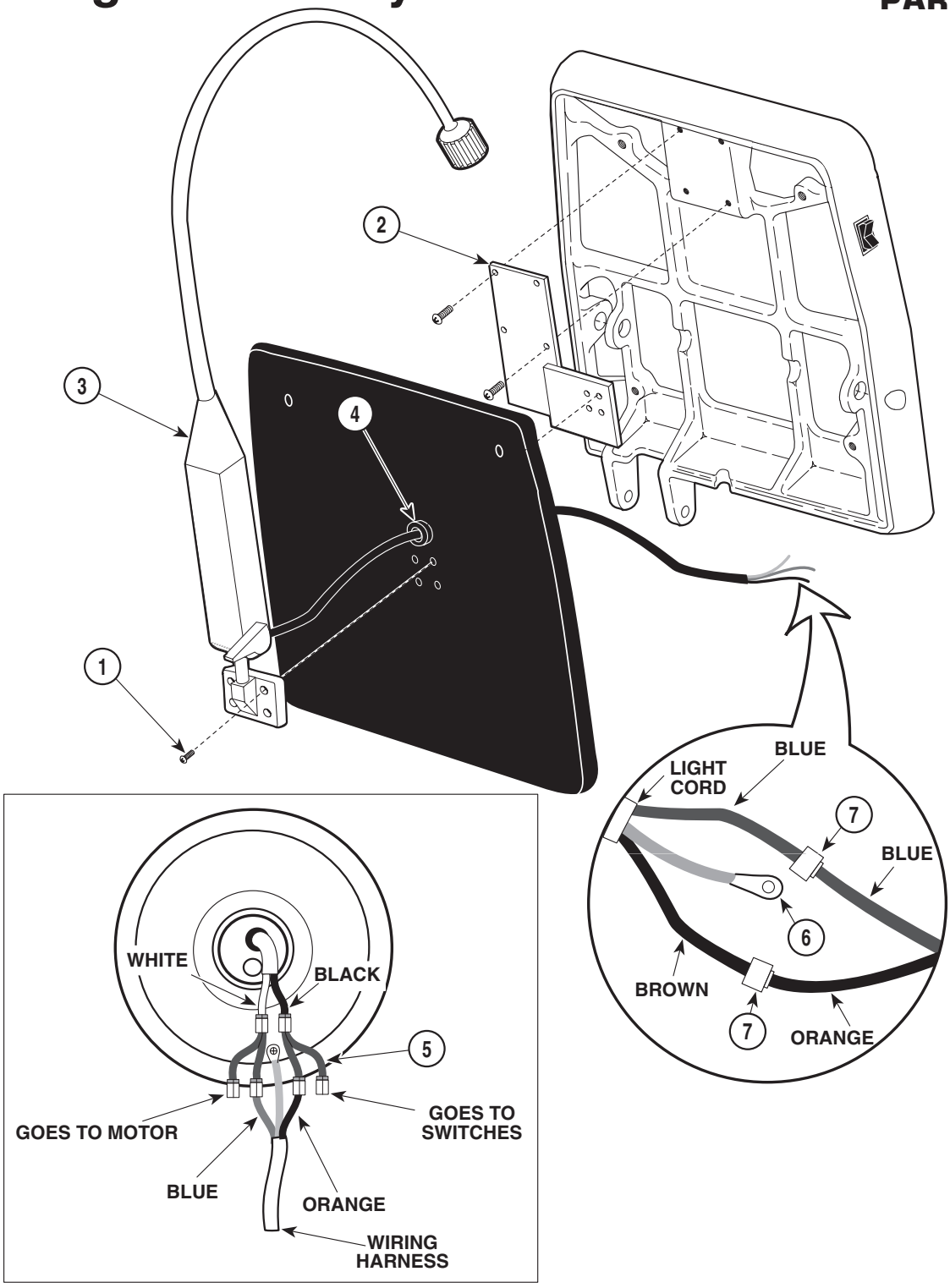
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	015-0071-00	Footswitch	1	7	•	• Screw	1
1	•	•Cord	1	8	•	• Nut	1
2	•	• Base	1	9	•	• Insulators	2
3	061-0096-00	Switch Label	1	10	•	• Screw	2
4	•	• Foot Control Switch	1	11	•	• Spring	2
5	•	• Footswitch Pedal	1	12	•	• Switch Mount	1
6	•	• Lockwasher	1				

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Exam Light Assembly



MA 330300

Item	Part No.	Description	Qty.
	9A106001 & 002	Exam Light (Domestic)	
1	•040-0250-73	• Bolt	4
2	•030-0667-00	• Exam Light Weldment	1
3	•015-0613-00	• 110 Exam Lihgt	1
4	•015-0002-02	• Strain Relief Bushing (-001 only)	1
5	•015-0614-00	• Double Connector (-001 only)	2
6	•015-0310-01	• Ring Terminal N.I.T. (-001 only)	1
7	•015-0018-03	• Spring Spade (-001 only)	2

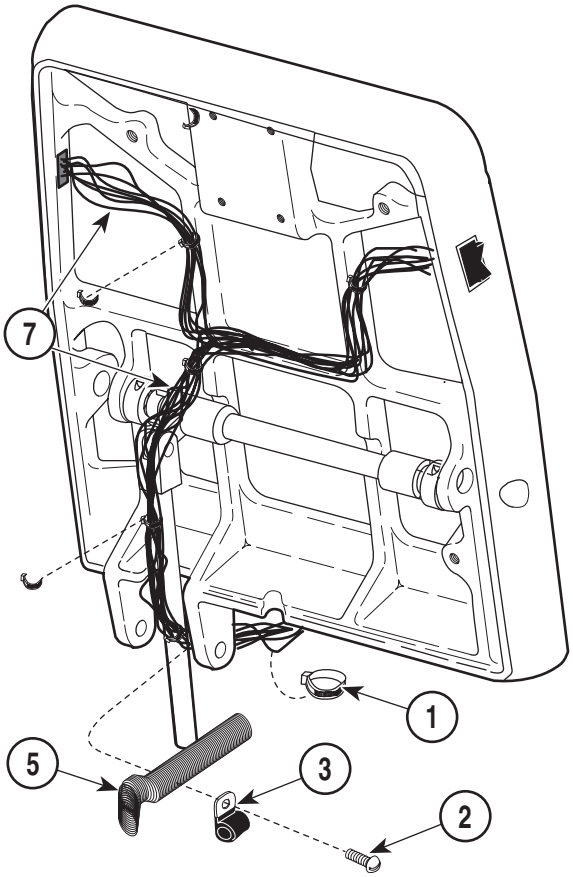
Item	Part No.	Description	Qty.
	9A106003 & 004	Exam Light (Export)	
1	•040-0250-73	• Bolt	4
2	•030-0667-00	• Exam Light Weldment	1
3	•015-0613-01	• 110 Exam Lihgt	1
4	•015-0002-03	• Strain Relief Bushing (-003 only)	1
5	•015-0614-00	• Double Connector (-003 only)	2
6	•015-0310-01	• Ring Terminal N.I.T. (-003 only)	1
7	•015-0018-03	• Spring Spade (-003 only)	2

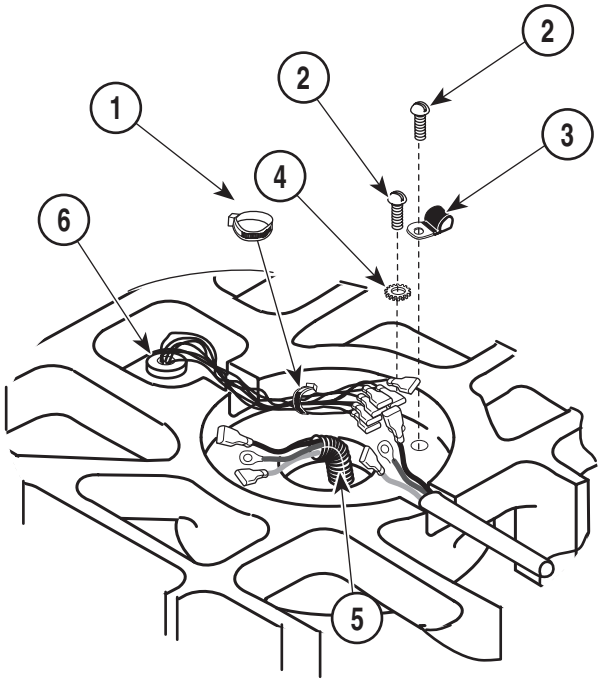
Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Wiring Arrangement





MA 330400

Used on 418 Units with Serial Numbers: AK 1000 Thru AK 1543

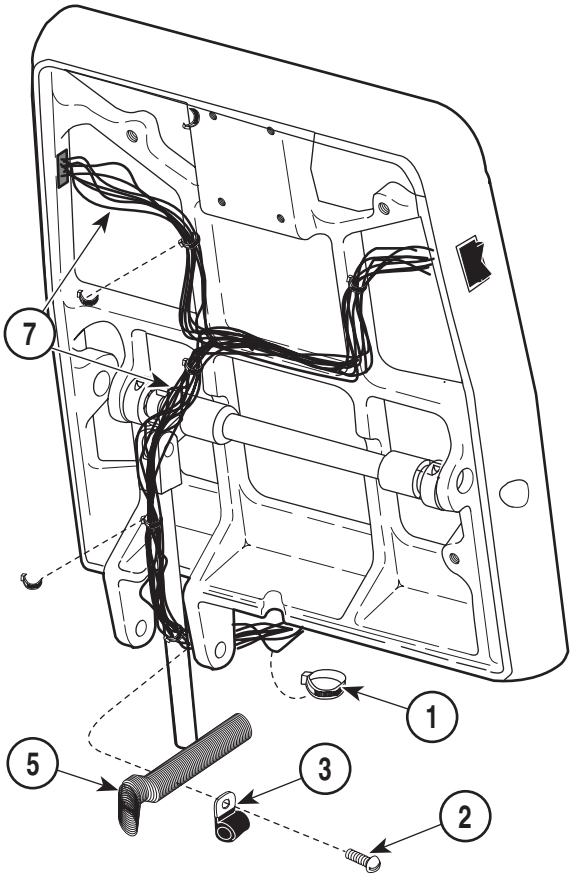
Item	Part No.	Description	Qty.
1	015-0013-00	Cable Tie	9
2	040-0010-47	Screw	3
3	015-0001-00	Wire Clip	2
4	045-0001-31	Washer	1
5	015-0257-02	Flex Guard Tubing	2
6	015-0002-04	Strain Relief	1
7	015-0453-00	Wiring Harness	1

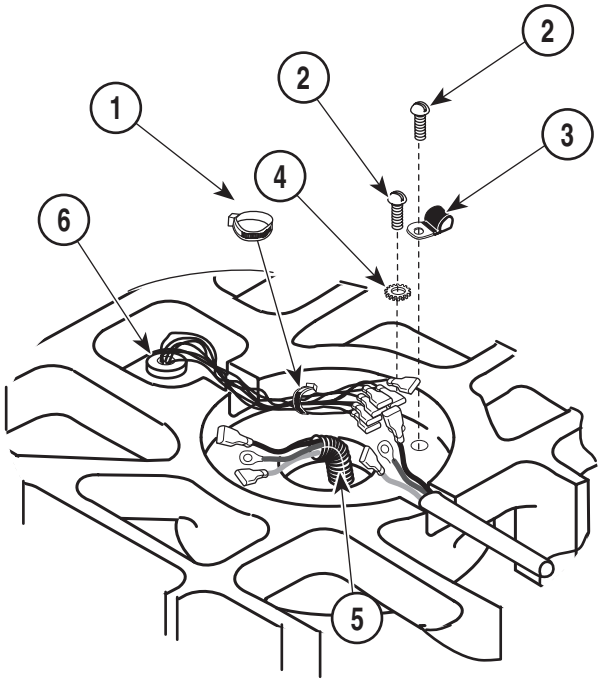
Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Wiring Arrangement





MA 330400

Used on 418 Units with Serial Numbers: AK 1544 Thru AK 1877

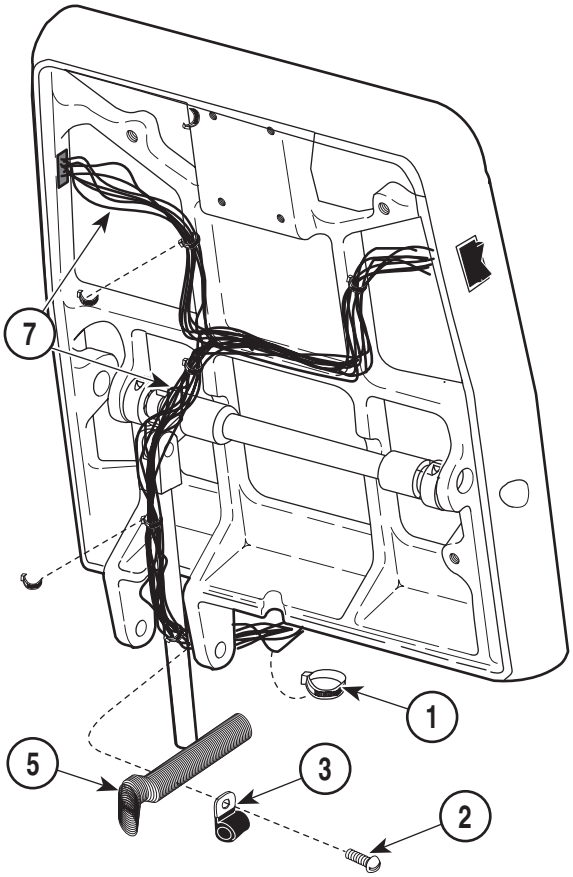
Item	Part No.	Description	Qty.
1	015-0013-00	Cable Tie	9
2	040-0010-47	Screw	3
3	015-0001-00	Wire Clip	2
4	045-0001-31	Washer	1
5	015-0257-02	Flex Guard Tubing	2
6	015-0002-04	Strain Relief	1
7	015-0516-00	Wiring Harness	1

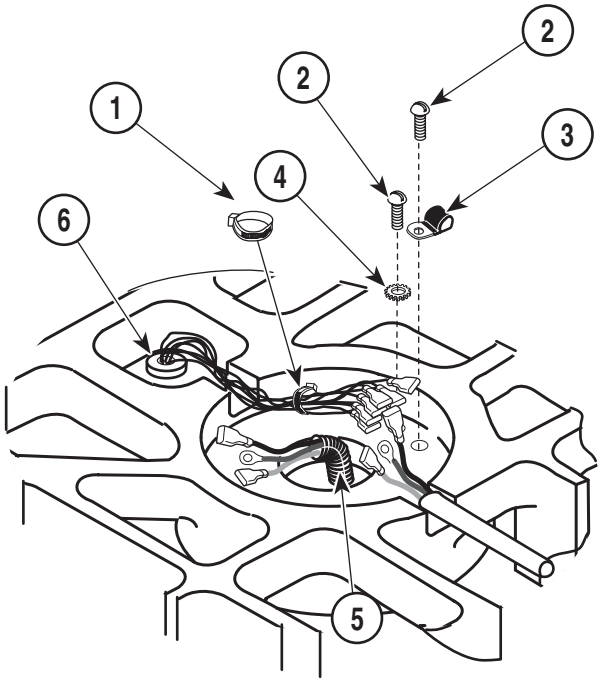
Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Wiring Arrangement





MA 330400

Used on 418 Units with Serial Numbers: AK 1878 Thru Present

Item	Part No.	Description	Qty.
1	015-0013-00	Cable Tie	9
2	040-0010-47	Screw	3
3	015-0001-00	Wire Clip	2
4	045-0001-31	Washer	1
5	015-0257-02	Flex Guard Tubing	2
6	015-0002-04	Strain Relief	1
7	015-0618-00	Wiring Harness	1

Always Specify Model & Serial Number

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Return To Table Of Contents

© Midmark Corporation 1994 SF-1454

Printed in U.S.A.

Return To Table Of Contents

COMMENTS

The Technical Publications Department of Midmark Corporation takes pride in its publications. We are sure that our manuals will fill all of your needs when you are performing scheduled maintenance, servicing, or repairs on a Midmark product.

However, if you find any errors or feel that there should be a change, addition, or deletion to a manual, please let us know!

Page(s) and Paragraph(s) Needing Changed:

Description of Error or Desired Change:

Please fax or mail a copy of this completed comment sheet to:

Midmark Corporation
ATTN: Technical Publications Department
60 Vista Drive
Versailles, Ohio 45380
Fax: (937) 526-5542

© Midmark Corporation 2000 SF-1621

Printed in U.S.A.

Return To Table Of Contents

FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:00 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT

OTHER _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

Return To Table Of Contents

Return To Table Of Contents

Midmark Corporation
60 Vista Drive
P.O. Box 286
Versailles, Ohio 45380-0286
937-526-3662
Fax 937-526-5542
midmark.com

Because we care.

Subject to change without notice.
Refer to www.Documark.com for latest revision.

© Midmark Corporation - 2005

Printed in U.S.A.